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Plant Inventory No. 178

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C., August 1972

PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1970 (NOS. 346864 TO 355920)

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This inventory, No. 178, lists the plant material (Nos. 346864 to 355920) received by the New Crops Research Branch, Plant Science Research Division, Agricultural Research Service, during the period from January 1 to December 31, 1970. The inventory is a historical record of plant material introduced for Department and other specialists and is not to be considered as a list of seeds or plants for distribution.

The species names used are those under which the plant material was received. These have been corrected only for spelling, authorities, and obvious synonymy. Questions related to the names published in the inventory and obvious errors should be directed to the author. If misidentification is apparent, please submit an herbarium specimen with flowers and fruit for reidentification.

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346864 and 346865. SACCHARUM (hybrid) Gramineae. **Sugarcane.**

From Kenya. Cuttings presented by the East African Agriculture and Forestry Organization, Nairobi. Received December 19, 1969.

346864. POJ 3150.

346865. 'Suk'.

346866 to 346876.

From India. Seed presented by H. B. Singh and S. S. Rajan, Indian Agricultural Research Institute, New Delhi-12, under PL 480 Project A7–CR–148. Received January 2, 1970.

346866. BRASSICA CAMPESTRIS var. DICHOTOMA (Roxb. ex Flem.) Watt Cruciferae.
IB 3. Brown sarson.

346867 to 346874. BRASSICA CAMPESTRIS var. SARSON Prain

346867. IB 22. Yellow sarson.
346868. IB 39. Yellow sarson.
346869. IB 42. Yellow sarson.
346870. IB 45. Yellow sarson.
346871. IB 61. Yellow sarson.
346872. IB 71. Yellow sarson.
346873. IB 75. Yellow sarson.
346874. IB 81. Sarson.

346875. BRASSICA CAMPESTRIS var. TORIA Duth. & Full.
IB 125.

346876. BRASSICA JUNCEA (L.) Czern. & Coss. **Chinese mustard.**
IB 126.

346877 to 346883.

From India. Seed presented by J. N. Rai, University of Lucknow, Lucknow, under PL 480 Project A7–CR–37. Received January 2, 1970.

346877 to 346879. BRASSICA CAMPESTRIS var. DICHOTOMA (Roxb. ex Flem.) Watt Cruciferae.

346877. BCb 11. Brown sarson.
346878. BCb 12. Brown sarson.
346879. BCb 13. Brown sarson.

346880 to 346882. BRASSICA CAMPESTRIS var. SARSON Prain

346880. BC 14. Sarson.
346881. BC 16. Sarson.
346882. BC 26. Yellow sarson.

346883. BRASSICA CAMPESTRIS var TORIA Duth. & Full. BCT 23.

346884 to 346946.

From the Union of Soviet Socialist Republics. Seed presented by N. Vavilov All-Union Institute of Plant Industry, Leningrad. Received December 24, 1969.

346884. ALLIUM OSCHANINII O. Fedtsch. Liliaceae.
346885. GOLDBACHIA LAEVIGATA (Bieb.) DC. Cruciferae.
346886 to 346890. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**
346886. K–2193. 'Altai Early'. From Siberia.
346887. K–3043. 'Nevsky'. Leningrad region.
346888. K–3248. 'Barnaul'. For canning. Siberia.
346889. K–4065. 'Vitenu Didej'. Lithuania.
346890. K–4067. 'Minsk Early'. Belorussia.

346884 to 346946—Continued

346891. MAHONIA AQUIFOLIUM (Pursh) Nutt. Berberidaceae. **Oregongrape.**
Tashkent Botanical Garden, Uzbek.

346892. MAHONIA NERVOSA Nutt.
Tashkent Botanical Garden, Uzbek.

346893. MAHONIA REPENS (Lindl.) G. Don
Tashkent Botanical Garden, Uzbek.

346894. MEDICAGO GLANDULOSA Davidoff Leguminosae.
K–35676. Krasnodar territory. Wild.

346895 to 346901. MEDICAGO POLYCHROA Grossheim
346895. K–29003. Daghestan. Wild.
346896. K–29993. Northern Caucasus. Wild.
346897. K–30071. Northern Osetia. Wild.
346898. K–30094. Georgia. Wild.
346899. K–33506. Georgia. Wild.
346900. K–34625. Stavropol territory.
346901. K–35021. Stavropol territory. Wild.

346902 to 346916. MEDICAGO SATIVA L. **Alfalfa.**
346902. K–7263. 'Samarkand'. Uzbekistan.
346903. K–9740. 'Shatilovsr 171'. Orel region.
346904. K–9765. 'Marusinsr 81'. Tambov region.
346905. K–19921. 'Tashkent 3192'. Uzbekistan.
346906. K–19983. 'Tashkent 721'. Uzbekistan.
346907. K–20002. 'Poltava 256'. The Ukraine.
346908. K–20896. 'Fergansk'. Local. Uzbekistan.
346909. K–21826. 'Chernigov'. The Ukraine.
346910. K–22310. 'Slavian'. Local. Krasnodar territory.
346911. K–23426. 'Kamalinsk 530'. Krasnoyarsk territory.
346912. K–23426. 'Kamalinsk 930'. Krasnoyarsk territory.
346913. K–23858. 'Zaykevicha Odessa'. The Ukraine.
346914. K–24336. 'Zaykevicha'. The Ukraine.
346915. K–25081. 'Ural's Blue'. Kazakhstan.
346916. K–25782. 'Tibet'. Kazakhstan.

346917 to 346920. MEDICAGO SATIVA var. GLUTINOSA (Bieb.) Urb. **Alfalfa.**
346917. K–16682. Georgia.
346918. K–33498. Georgia. Wild.
346919. K–35729. Daghestan. Wild.
346920. K–35029. Crimea. Wild.

346921 to 346923. MEDICAGO sp.
346921. K–34634. Mixture of *M. glutinosa* sp. *difalcata* and *M. polychroa*. Daghestan.
346922. K–34635. Mixture of *M. glandulosa* and *M. sativa*. Crimea.
346923. K–35728. Mixture of *M. glutinosa* and *M. polychroa*. Wild. Daghestan.

346884 to 346946—Continued

346924 to 346932. ORYZA SATIVA L. Gramineae. **Rice.**

346924. K–3870. 'Krasnodar 424'. Krasnodar territory.

346925. K–3945. 'Hybrid 8'. Krasnodar territory.

346926. K–4766. 'Nahodka'. Krasnodar territory.

346927. K–4884. 'Vilkid Zire'. Azerbaijan.

346928. K–3638. 'Uzros F–13'. Uzbekistan.

346929. K–4882. 'Donskoye 2'. Rostov region.

346930. K–3963. 'Primorsk 6'. Primorsk province. (Maritime territory).

346931. K–4095. 'Kubanets 508'. Krasnodar territory.

346932. K–4609. 'Kuban 3'. Krasnodar territory.

346933 to 346946. PANICUM MILIACEUM L. Gramineae. **Proso millet.**

346933. K–50. Primorsk province. (Maritime Province).

346934. K–3009. 'Podolian 24/273'. The Ukraine.

346935. K–8469. 'Uilskoye White'. Aktiubinsk region.

346936. K–8525. 'Toktogulsk'. Kirghizia.

346937. K–81. 'Tlicevskoje'. Primorsk province. (Maritime Province).

346938. K–8647. 'Ural 1419'. Kazakhstan.

346939. K–9465. 'Ural'. Kazakhstan.

346940. K–9518. 'Kazansk 61'. Tatarian.

346941. K–9216. 'Kharkov 25'. Ukraine.

346942. K–8645. 'Veselopodolian 38'. Ukraine.

346943. K–8985. Hybrid VNGS–29. Ukraine.

346944. K–37. 'Polyploid'. Moscow region.

346945. K–9217. 'Early'. Voronezh region.

346946. K–2182. Primorsk province (Maritime Province).

346947 to 346949. SACCHARUM (hybrid) Gramineae. **Sugarcane.**

From Indonesia. Cuttings presented by Balai Penjelidikan, Perusahaan Perkebunan Gula. Pasuruan, Djawa-Timur. Received January 12, 1970.

346947. Ps. 1.

346948. Ps. 6.

346949. Ps. 8.

346950 to 346961.

From Mexico. Seed received by H. S. Gentry, agricultural explorer, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland, from unknown source, unless otherwise noted. Received December 16, 1969.

346950. PHASEOLUS COCCINEUS L. Leguminosae. **Scarlet runner bean.**

Santa Marta, D. F. Near penitentiary of Mexico City. Elevation 2,250 m. Wild.

346951. PHASEOLUS LUNATUS L. **Lima bean.**

346952 to 346961. PHASEOLUS VULGARIS L. **Common bean.**

346952. 'B.G'.

346953. 'Can. Mich 68'.

346954. 'Gentry'.

346950 to 346961—Continued

346952 to 346961—Continued

346955. 'Silvestre 1'.

346956. 'Silvestre 3'.

346957. 'Silvestre 7'.

346958. 'Silvestre 10'.

346959. 'Silvestre 11'.

346960. 'T. Bl.'.

346961. From Chiapas. Zinacantan paraje of Paste to San Lucas, Mun. Zapotal. Elevation 107 m.

346962. SOLANUM ELAEAGNIFOLIUM Cav. Solanaceae.

From Chile. Seed presented by Herbert H. Appel, Universidad Tecnica Federico Santa Maria, Valparaiso. Received January 12, 1970.

Collected near Copiapo. Climate warm and very dry.

346963. SOLANUM ELAEAGNIFOLIUM Cav. Solanaceae.

From Mexico. Seed collected by L. A. Spetzman, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland. Received March 7, 1969.

No. 1196. Near Saltillo, along Highway 57, Km. 866, about 6.4 km. east of junction of Highways 54 and 57 in Saltillo. Dried up herb, 30 to 60 cm. high, prickly at base, yellow flowers 1.25 cm. diameter.

346964. ARACHIS HYPOGAEA L. Leguminosae. **Peanut.**

From Taiwan. Seed presented by the Taiwan Agricultural Research Institute, Taipei. Received January 13, 1970.

'Tainan No. 9'. No. 000584.

346965 to 346970.

From Wales. Seed presented by Welsh Plant Breeding Station, Aberystwyth. Received January 13, 1970.

346965. DACTYLIS GLOMERATA subsp. LUSITANICA Stebbins & Zohary Gramineae.

Bc 4651. Collected in Sintra, Portugal, elevation 370 m., mountain.

346966 to 346970. DACTYLIS MARINA Borrill

346966. Bc 4859. Collected in Cap Serrat, Tunisia. Coastal cliffs.

346967. Bc 5214. Collected 1961 in Praia da Rocha, Portugal, 20 m. elevation, coastal cliffs.

346968. Bc 5215. Collected 1961 in Cape St. Vincent, Portugal, elevation 25 m., limestone rocks and cliffs.

346969. Bc 5217. Collected 1961 in Praia das Macas, Portugal, elevation 2 m., coastal cliffs.

346970. Bc 5221. Collected 1961 in Foz d'arelho, Portugal, elevation 6 m., limestone rocks and cliffs.

346971 and 346972. VITIS VINIFERA L. Vitaceae.

European grape.

From France. Cuttings presented by the Ecole National d'Agriculture de Montpellier, Montpellier.

Received January 14, 1970.

346971. 'Roter Hansen'. VII 17S8.

346972. 'Troyen'. IV 14A4A5.

346973. SACCHARUM (hybrid) Gramineae. **Sugarcane.**

From Taiwan. Cuttings presented by the Taiwan Sugar Experiment Station, Taiwan.

Received January 15, 1970.

F 160.

346974. RUBUS IDAEUS L. Rosaceae. **European raspberry.**

From Switzerland. Plants presented by Fruits Roethlisberger, Wavre (Neuchatel).

Received January 22, 1970.

'Baron de Wavre'.

346975 and 346976. SACCHARUM (hybrid) Gramineae. **Sugarcane.**

From the Dominican Republic. Cuttings presented by Gulf-Western Americas Corporation, La Roma. Received January 29, 1970.

346975. C.R. 67—109–3.

346976. C.R. 67—109–6.

346977 to 346979. ZEA MAYS L. Gramineae. **Corn.**

From Mexico. Seed presented by E. Hernandez X., International Maize and Wheat Improvement Center, Mexico City.

Received October 30, 1969.

346977. X–15134. "Maiz gordo." Madera, Chihuahua. Elevation 2,095 m. Ears 21–26 cm. long, 12-rowed, lavender husks. Grain milky white with hard cap, slightly grooved. Used for fine flours.

346978. X–15164. "Cisne." Municipio de Guerrero, Chihuahua. Elevation 2,000 m. Ears 22 cm. long, 12–14 rowed, white cob very rigid. Grain rounded, lightly dentate, pericarp variously colored dark purplish, rosy, and milky white.

346979. X–15171. "Apachito." San Janito, Municipio Bocoyna, Chihuahua. Elevation 2,400 m. Ears 10–12 cm. long, cylindric, 3 cm. diameter, 8–12 rowed. Cob rigid, rachis and glumes reddish. Grains small, rounded, crystalline like popcorn. Short term maturity.

346980. HORDEUM VULGARE L. Gramineae. **Barley.**

From England. Seed presented by R. N. H. Whitehouse, Plant Breeding Institute, Maris Lane, Trumpington, Cambridge.

Received January 14, 1970.

'Maris Druid'.

346981. STOKESIA LAEVIS (Hill) Greene Compositae.

From United States. Seed collected by C. R. Gunn, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland.

Received January 27, 1970.

Collected at Nags Head, N.C., October 17, 1969. Back beach vegetation, sand, scattered plants 1.5 to 3.0 dm. Plants completely dried out.

346982 and 346983.

From Brazil. Bulbs and seed presented by M. B. Skvortzov, Instituto de Botanica, Secretaria da Agricultura, Sao Paulo. Received December 23, 1969.

346982. FURCRAEA sp. (Bulbs). Amaryllidaceae.

346983. ZAMIA sp. (Seed). Cycadaceae.

346984. Polytoca digitata (L.f.) Druce Gramineae.

From India. Seed presented by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi.

Received December 24, 1969.

No. 45677.

346985. Triticum aestivum L. Gramineae. **Common wheat.**

From Turkey. Seed presented by Turhan Atay, T. C. Tarim Bakanligi, Zirai Arastirma Enstitusu, Mudurlugu.

Received January 8, 1970.

'Hacimestan'.

346986 to 347002.

From Peru. Seed presented by Asociacion de Agricultores de Canete, Estacion Experimental Agricola, Canete. Received December 3, 1969.

346986. Hibiscus sp. Malvaceae.

Small seed.

346987. Ipomoea alba L. Convolvulaceae.

Canete.

346988. Ipomoea carnea Jacq. **Morning-glory.**

Lima.

346989. Ipomoea dumetorum Willd. ex Roem. & Schult. Convolvulaceae.

346990. Ipomoea nil (L.) Roth Convolvulaceae.

346991 to 346997. Ipomoea purpurea (L.) Roth Convolvulaceae. **Common morning-glory.**

346991. Canete. Flower lilac color.

346992. Canete. Flower intense mulberry color.

346993. Canete. Flower reddish.

346994. Canete. Flower pale reddish.

346995. Canete. Flower white with violet streaks.

346996. Canete. Flower white.

346997. c. Central. Flower light purple.

346998. Ipomoea sp. Convolvulaceae.

Jayanca-Motupe.

346999. Ipomoea sp. Convolvulaceae.

Pongo de Retama.

347000. Ipomoea sp. Convolvulaceae.

Casinchihua.

347001. Ipomoea sp.

c. Central.

347002. Merremia aegyptia Gamble Convolvulaceae.

Large seed.

347003 to 347213.

From Afghanistan. Seed collected in 1968 by Erna Bennett, Plant Production and Protection Division, Food and Agriculture Organization of the United Nations, Rome, Italy. FAO code number follows P. I. number. Latitude and Longitude readings recorded where known. Received September 10, 1968.

347003 to 347213—Continued

347003 to 347128. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

347003. 26.225. 'White Shanazi'. Khaizan, Herat. Elevation 950 m.

347004. 26.226. 'Black Kalak'. Mulasion, Injuil. Elevation 950 m.

347005. 26.229. 'Safid Koh'. Elevation 900 m.

347006. 26.230. Elevation 900 m.

347007. 26.231. 'White Kalaf'. Elevation 900 m.

347008. 26.232. 'Black Kalaf'. Herat. Elevation 900 m.

347009. 26.233. 'Saficha'. Elevation 900 m.

347010. 26.234. 'Shanazi'. Elevation 1,000 m.

347011. 26.235. 'Gozareh'. Elevation 900 m.

347012. 26.236. 'Safid hosha', 'Khalifara'. Elevation 900 m.

347013. 26.237. 'Safid hosha'. Elevation 900 m.

347014. 26.238. 'Shanazi', 'Safidak'. Herat. Elevation 900 m.

347015. 26.252. 'Shanazi'. Adraskan, Herat. Elevation 1,350 m.

347016. 26.253. 'Black Shanazi'. Pushteshahar, Farah. Elevation 1,100 m.

347017. 26.256. 'Kharpara', 'Shanazi'. Kulishor. Elevation 1,000 m.

347018. 26.257. 'Safid hosha'. Kush. Elevation 900 m.

347019. 26.259. Khari. Elevation 800 m.

347020. 26.260. 'Safidak'. Tapah Shiran. Elevation 750 m.

347021. 26.261. 'Chahansoor'. Elevation 750 m.

347022. 26.262. 'White Kalak'. Elevation 750 m.

347023. 26.263. 'Awned White Kalak'. Elevation 750 m.

347024. 26.264. 'Sirhosha'. Daragot, Farah. Elevation 750 m.

347025. 26.266. 'Safidak'. Shamalga, Farah. Elevation 800 m.

347026. 26.272. 'White Kandahar'. Chaingir. Elevation 900 m.

347027. 26.274. 'White Kalak'. Elevation 1,400 m.

347028. 26.275. 'Sirhosha'. Elevation 1,400 m.

347029. 26.276. 'Red Kalak'. Elevation 1,400 m.

347030. 26.277. 'White Kalak'. Elevation 1,400 m.

347031. 26.278. 'White Kalak'. Elevation 1,400 m.

347032. 26.280. 'Chahansoor'. Elevation 1,400 m.

347033. 26.281. 'Yellow Mukuri'. Daman. Elevation 1,400 m.

347034. 26.286. 'Chordi (Kalak)', Sardah Sirhosha', 'Safid hosha'. Moghulan, Ghazni. Elevation 2,200 m.

347035. 26.287. 'Bahri'. Khushk. Elevation 2,200 m.

347036. 26.292. 'Sardah', 'Garmah'. Khalay Birget. Elevation 2,200 m.

347037. 26.294. 'Garmah'. Shashgao. Elevation 2,350 m.

347038. 26.296. 'Saficha', 'Sircha'. Gardez. Elevation 2,290 m.

347039. 26.297. 'Saficha'. Tangai. Elevation 2,350 m.

347040. 26.309. Kabul. Elevation 2,200 m.

347003 to 347213—Continued

347003 to 347128—Continued

347041. 26.310. 'Safid hoshah', 'Sirhosha'. Elevation 2,200 m.

347042. 26.311. 'Ranazaiba (Saficha)'. N.3507, E.06913. Elevation 2,000 m.

347043. 26.313. 'Saficha'. Shamerzakhail. Elevation 2,050 m.

347044. 26.314. 'Lalmavi'. Zaman kut. Elevation 2,150 m.

347045. 26.315. 'Logar'. Zaman kut. Elevation 2,150 m.

347046. 26.316. 'Pakistani'. N.3513, E.06920. Elevation 2,150 m.

347047. 26.317. 'Garmah'. N.3513, E.06920. Elevation 2,150 m.

347048. 26.319. 'Saficha'. Serai bazaar, Gul bahar. Elevation 2,050 m.

347049. 26.324. 'Sardah'. Jouy Dokhtar. Elevation 2,300 m.

347050. 26.332. Mzar-i-Sharif. Elevation 450 m.

347051. 26.334. Elevation 450 m.

347052. 26.335. 'Sircha', 'Saficha'. Juy Chughman, Mazar-i-Sharif. Elevation 380 m.

347053. 26.341. 'Saficha'. Nahari-Shahi Marar-i-Sharif. Elevation 350 m.

347054. 26.344. 'Sircha'. Balch. Elevation 350 m.

347055. 26.345. 'Saficha'. Balch. Elevation 350 m.

347056. 26.346. 'Saficha'. Daulatabad. Elevation 300 m.

347057. 26.348. 'Sircha'. Daulatabad. Elevation 300 m.

347058. 26.351. 'Saficha'. Saghonchi. Elevation 500 m.

347059. 26.353. Samangan. Elevation 1,050 m.

347060. 26.361. 'Mauri', 'Shach hosha'. Baladru No. 2. Elevation 530 m.

347061. 26.366. 'Jalalabadi'. Gazou. Elevation 900 m.

347062. 26.367. 'Sircha', 'Safidak'. Takhtesang. Elevation 1,550 m.

347063. 26.377. 'Merzai'. Arbadjalad. Elevation 600 m.

347064. 26.378. 'Safidah'. Elevation 600 m.

347065. 26.380. 'Safidah'. Elevation 375 m.

347066. 26.391. 'Saficha'. Elevation 650 m.

347067. 26.392. 'Sircha'. Pida Kamar. Elevation 450 m.

347068. 26.393. Talukhan. Elevation 600 m.

347069. 26.394. N.3642, E.06938. Elevation 600 m.

347070. 26.396. N.3642, E.06942. Elevation 800 m.

347071. 26.400. 'Sirha'. Elevation 1,100 m.

347072. 26.401. 'Safidak'. Elevation 1,200 m.

347073. 26.402. N.3700, E.07045. Elevation 1,200 m.

347074. 26.406. 'Lashuk'. Borak. Elevation 1,200 m.

347075. 26.407. 'Safidak', 'Tirmai'. N.3700, E.07046. Elevation 1,280 m.

347076. 26.409. Elevation 1,200 m.

347077. 26.412. N.3657, E.07047. Elevation 1,450 m.

347078. 26.413. 'Sircha'. Dusht, Jurm. Elevation 1,450 m.

347079. 26.414. 'Safidak'. Jurm. Elevation 1,500 m.

347080. 26.415. Elevation 1,500 m.

347003 to 347213—Continued

347003 to 347128—Continued

347081. 26.416. 'Tirmai-Safidak', 'Tirmai-Sircha'. Dusht Kharandan. Elevation 1,500 m.

347082. 26.417. 'Tirmai-Sircha'. Dusht Furghanmund. Elevation 1,500 m.

347083. 26.423. Elevation 1,200 m.

347084. 26.426. Urgu Faizabad. Elevation 1,000 m.

347085. 26.427. Faizabad bazaar (Aftal). Elevation 1,000 m.

347086. 26.431. Elevation 1,200 m.

347087. 26.432. 'Sirha'. 'Byaburut'. N.3710, E.07027. Elevation 1,200 m.

347088. 26.434. N.3706, E.07030. Elevation 1,200 m.

347089. 26.435. 'Byaburut', 'Siyaburut Sirha'. Navabad. Elevation 1,200 m.

347090. 26.437. 'Sirha'. 'Byaburut'. Sabz-e-Behar. Elevation 1,000 m.

347091. 26.439. N.3653, E.06954. Elevation 900 m.

347092. 26.440. N.3647, E.06952. Elevation 1,000 m.

347093. 26.441. 'Sircha'. Kalafghan. Elevation 1,400 m.

347094. 26.443. Salang. Elevation 2,750 m.

347095. 26.445. N.3517, E.06910. Elevation 2,600 m.

347096. 26.446. Salang. Elevation 2,600 m.

347097. 26.447. Salang. Elevation 2,500 m.

347098. 26.448. Salang. Elevation 2,400 m.

347099. 26.450. 'Tirmai'. Eingaran. Elevation 2,350 m.

347100. 26.452. 'Jalalabadi'. Khinjan. Elevation 1,200 m.

347101. 26.455. 'Jalalabadi'. Khawa. Elevation 1,200 m.

347102. 26.456. 'Jalalabadi'. N.3536, E.06900. Elevation 1,200 m.

347103. 26.460. 'Sardah'. N.3536, E.06909. Elevation 1,300 m.

347104. 26.461. 'Amerikani'. N.3536, E.06912. Elevation 1,500 m.

347105. 26.463. 'Sirhadi'. N.3422, E.06904. Elevation 2,400 m.

347106. 26.471. 'Kalak', 'Darash hosha'. Wulahiti. Elevation 2,200 m.

347107. 26.485. 'Garma'. Sarchisma. Elevation 2,800 m.

347108. 26.488. 'Lalmi'. Jaokol. Elevation 3,400 m.

347109. 26.489. N.3432, E.06800. Elevation 3,250 m.

347110. 26.490. 'Bahri Sirhosha'. Kalu. Elevation 3,300 m.

347111. 26.493. 'Bahri'. Bamian. Elevation 2,900 m.

347112. 26.509. N.3448, E.06709. Elevation 3,300 m.

347113. 26.510. N.3446, E. 06708. Elevation 3.400 m.

347114. 26.511. 'Dafidak', 'Sirha'. Elevation 3,000 m.

347115. 26.514. 'Bahri). Shatu. Elevation 3,300 m.

347116. 26.516. N.3425, E.06702. Elevation 3,200 m.

347117. 26.517. 'Bahri', 'Lalmi'. N.3422, E.06653. Elevation 3,350 m.

347118. 26.518. Pai Kotel. Elevation 3,250 m.

347119. 26.519. N.3424, E.06630. Elevation 3,200 m.

347120. 26.520. N.3431, E.06619. Elevation 3,250 m.

347003 to 347213—Continued

347003 to 347128—Continued

347121. 26.522. N.3428, E.06613. Elevation 3,100 m.

347122. 26.523. N.3428, E.06607. Elevation 3,150 m.

347123. 26.524. N.3428, E.06600. Elevation 3,250 m.

347124. 26.530. N.3417, E.06453. Elevation 3,050 m.

347125. 26.532. N.3415, E.06452. Elevation 3,050 m.

347126. 26.533. 'Kalak', 'Baghosi', 'Sirhosha'. N.3407, E.06438. Elevation 2,850 m.

347127. 26.534. 'Bahri'. N.3407, E.06427. Elevation 2,700 m.

347128. 26.536. N.3411, E.06411. Elevation 2,800 m.

347129 and 347130. TRITICUM COMPACTUM Host Club wheat.

347129. 26.273. 'Mahparcha'. N.3148, E. 06442. Elevation 900 m.

347130. 26.305. 'Sardah'. Shaikhabad. Elevation 2,050 m.

347131 to 347138. TRITICUM TURGIDUM L. Poulard wheat.

347131. 26.228. 'Zafarani'. Herat. Elevation 900 m.

347132. 26.239. 'Mauri'. Herat. Elevation 900 m.

347133. 26.240. 'Zafarani'. N.3420, E.06203. Elevation 950 m.

347134. 26.241. 'Zafarani'. N.3400, E.06200. Elevation 900 m.

347135. 26.340. 'Mauri'. Mahari-Shahi, Mazar-i-Sharif. Elevation 350 m.

347136. 26.342. 'Black-awned Mauri'. Balch. Elevation 350 m.

347137. 26.343. 'White Mauri'. Balch. Elevation 350 m.

347138. 26.347. 'White Mauri'. Daulatabad. Elevation 300 m.

347139. TRITICUM sp. 26.267. 'White Kalk', 'Shanazi'. Chakao. Elevation 1,050 m. Mixture of *T. aestivum and T. turgidum.*

347140. TRITICUM sp. 26.269. N.3138, E.06220. Elevation 950 m. Mixture of *T. aestivum and T. turgidum.*

347141. TRITICUM sp. 26.279. N.3138, E.06558. Elevation 1,400 m.

347142. TRITICUM sp. 26.282. 'Ghund Hosha'. Amankhail, Ghazni. Elevation 2,350 m. Mixture of *T. aestivum* and *T. compactum.*

347143. TRITICUM sp. 26.290. Khalayozot, Kandahar. Elevation 2,200 m. Mixture of *T. aestivum* and *T. compactum.*

347144. TRITICUM sp. 26.299. 'Saficha'. Khaki hazara. Elevation 2,500 m. Mixture of *T. aestivum* and *T. compactum.*

347145. TRITICUM sp. Gramineae. 26.301. N.3343, E.06912. Elevation 2,700 m. Mixture of *T. aestivum* and *T. compactum.*

347146. TRITICUM sp. 26.303. 'Sardah'. Kharouti. Elevation 2,350 m. Mixture of *T. aestivum* and *T. compactum.*

347147. TRITICUM sp. 26.306. 'Sardah'. Kushtoop. Elevation 2,000 m. Mixture of *T. aestivum* and *T. compactum.*

347148. TRITICUM sp. 26.321. 'Sircha Kalak', 'White Landani', 'Sardah'. Sumachah. Elevation 2,250 m. Mixture of *T. aestivum* and *T. compactum.*

347149. TRITICUM sp. 26.325. 'Sardah'. Frenjal. Elevation 2,350 m. Mixture of *T. aestivum* and *T. compactum.*

347150. TRITICUM sp. 26.326. 'Sardah'. Shibar kotal. Elevation 2,500 m. Mixture of *T. aestivum* and *T. compactum.*

347151. TRITICUM sp. 26.329. N.3454, E.06817. Elevation 2,300 m. Mixture of *T. aestivum* and *T. compactum.*

347003 to 347213—Continued

347152. TRITICUM sp.

26.330. Mazar-i-Sharif. Elevation 400 m. Mixture of *T. aestivum* and *T. turgidum.*

347153. TRITICUM sp.

26.331. 'Saficha'. N.3641, E.06704. Elevation 400 m. Mixture of *T. aestivum* and *T. turgidum.*

347154. TRITICUM sp.

26.349. 'Mauri', 'Saficha', 'Sircha'. Chel-gazi. Elevation 375 m. Mixture of *T. aestivum* and *T. turgidum.*

347155. TRITICUM sp.

26.354. 'Sircha', 'Sirhosha', 'Mauri'. Bagha Shamal. Elevation 1,000 m. Mixture of *T. aestivum* and *T. turgidum.*

347156. TRITICUM sp.

26.355. N.3607, E.06812. Elevation 1,080 m.

347157. TRITICUM sp.

26.359. 'Mauri', 'Jalalabadi'. N.3611, E.06844. Elevation 500 m.

347158. TRITICUM sp.

26.362. 'Mauri'. Elevation 530 m. Mixture of *T. turgidum* and *T. compactum.*

347159. TRITICUM sp.

26.364. 'Shasti', (Marjani). Qailaghai, Pul-i-Kumri. Elevation 650 m.

347160. TRITICUM sp.

26.368. 'Sirhosha', 'Safid hoshah', 'Kalak'. N.3526, E.06859. Elevation 1,900 m. Mixture of *T. aestivum* and *T. compactum.*

347161. TRITICUM sp.

26.370. 'Mauri', 'Kandahari', 'Saficha'. Karegudan, Baghlan. Elevation 750 m. Mixture of *T. compactum* and *T. turgidum.*

347162. TRITICUM sp.

26.371. N.3617, E.06848. Elevation 750 m. Mixture of *T. aestivum, T. compactum* and *T. turgidum.*

347163. TRITICUM sp.

26.372. 'Mauri'. N.3622, E.06853. Elevation 700 m. Mixture of *T. turgidum* and *T. aestivum.*

347164. TRITICUM sp.

26.376. 'Mauri'. Aliabad. Elevation 650 m. Mixture of *T. aestivum* and *T. turgidum.*

347165. TRITICUM sp.

26.379. 'Mauri', 'Saficha'. N.3646, E.06852. Elevation 375 m. Mixture of *T. aestivum* and *T. turgidum.*

347166. TRITICUM sp.

26.390. 'Mauri', 'Saficha'. Kunduz. Elevation 600 m. Mixture of *T. compactum* and *T. turgidum.*

347167. TRITICUM sp.

26.397. 'Kizilkarak', 'Kalaizok', 'Saficha'. Hadji Ergash. Elevation 900 m. Mixture of *T. aestivum* and *T. compactum.*

347168. TRITICUM sp.

26.398. N.3642, E.06944. Elevation 800 m.

347003 to 347213—Continued

347169. TRITICUM sp.

26.420. 'Tirmai', 'Safid Siyaburut', 'Red Sirhosha', 'White Sirhosha', 'Kalgandum'. Dasht-d-Koregh. Elevation 1,250 m.

347170. TRITICUM sp.

26.421. N.3709, E.07031. Elevation 1,200 m. Mixture of *T. aestivum* and *T. compactum*.

347171. TRITICUM sp.

26.430. N.3708, E.07032. Elevation 1,200 m. Mixture of *T. aestivum* and *T. compactum*.

347172. TRITICUM sp.

26.442. 'Safidak', 'Amerikani'. Shuhra-tu. Elevation 700 m. Mixture of *T. aestivum* and *T. turgidum*.

347173. TRITICUM sp.

26.451. 'Mauri'. Khinjah Elevation 1,200 m. Mixture of *T. aestivum* and *T. turgidum*.

347174. TRITICUM sp.

26.457. 'Sardah', 'Sadidah', 'Mauri', 'Sirha'. N.3537, E.06908. Elevation 1,200 m. Mixture of *T. aestivum* and *T. compactum*.

347175. TRITICUM sp.

26.462. 'Mauri'. N.3537, E.06915. Elevation 1,600 m.

347176. TRITICUM sp.

26.467.

347177. TRITICUM sp.

26.472. 'Gandum', Musai. Elevation 2,200 m. Mixture of *T. aestivum* and *T. compactum*.

347178. TRITICUM sp.

26.473. 'Gandum'. Safedsang. Elevation 2,000 m.

347179. TRITICUM sp.

26.474. 'Safed', 'Saficha'. Mahmad Agha. Elevation 2,200 m. Mixture of *T. aestivum* and *T. compactum*.

347180. TRITICUM sp.

26.475. 'Sirhosha'. Denan, Waghijan. Elevation 2,400 m.

347181. TRITICUM sp.

26.476. 'Wulwakhi' (Kalak). Kunjek majer. Elevation 2,400 m.

347182. TRITICUM sp.

26.477. N.3440, E.06904. Elevation 2,200 m.

347183. TRITICUM sp.

26.478. 'Muiyak', 'Kalak'. Hadgi Bakhsh Shekkarderah. Elevation 2,200 m. Mixture of *T. aestivum* and *T. compactum*.

347184. TRITICUM sp.

26.479. N.3449, E.06904. Elevation 1,800 m.

347185. TRITICUM sp.

26.480. Jaldez. Elevation 2,650 m.

347186. TRITICUM sp.

26.481. 'Mauri', 'Sardah'. Takoma, Siya Petow. Elevation 2,700 m. Mixture of *T. aestivum* and *T. compactum*.

347003 to 347213—Continued

347187. TRITICUM sp.

26.482. 'Mauri', Sirhosha'. N.3428, E.06834. Elevation 2,700 m. Mixture of *T. aestivum* and *T. compactum.*

347188. TRITICUM sp.

26.483. 'Garma'. Takoneh Bolah. Elevation 2,800 m. Mixture of *T. aestivum* and *T. compactum.*

347189. TRITICUM sp.

26.484. 'Mauri Sirhosha', 'Garma', 'Sardak'. Sarchmak. Elevation 2,700 m. Mixture of *T. aestivum* and *T. compactum.*

347190. TRITICUM sp.

26.486. 'Tirmai', 'Garma'. Unai. Elevation 3,100 m.

347191. TRITICUM sp.

26.487. N.3427, E.06824. Elevation 3,250 m. Mixture of *T. aestivum* and *T. compactum.*

347192. TRITICUM sp.

26.491. N.3442, E.06800. Elevation 2,900 m. Mixture of *T. aestivum* and *T. compactum.*

347193. TRITICUM sp.

26.492. N.3442, E.06800. Elevation 2,900 m. Mixture of *T. aestivum* and *T. compactum.*

347194. TRITICUM sp.

26.494. 'Larma roho'. Bamian. Elevation 2,850 m. Mixture of *T. aestivum* and *T. compactum.*

347195. TRITICUM sp.

26.495. Bamian. Elevation 2,850 m. Mixture of *T. aestivum* and *T. compactum.*

347196. TRITICUM sp.

26.496. 'Kalabubundak'. N.3448, E.06748. Elevation 2,850 m. Mixture of *T. aestivum* and *T. campactum.*

347197. TRITICUM sp.

26.497. 'Kalabubundak', 'Bahri'. Bamian. Elevation 2,850 m. Mixture of *T. aestivum* and *T. compactum.*

347198. TRITICUM sp.

26.498. 'Larma-roho'. N.3448, E.06749. Elevation 2,850 m. Mixture of *T. aestivum* and *T. compactum.*

347199. TRITICUM sp.

26.499. 'Kalabubundak', 'Tirmai'. Bamian. Elevation 2,850 m. Mixture of *T. aestivum* and *T. compactum.*

347200. TRITICUM sp.

26.501. 'Darash hosha (Tirmai). Bamian. Elevation 2,850 m. Mixture of *T. aestivum* and *T. compactum.*

347201. TRITICUM sp.

26.503. 'Kalabubundak', 'Darash hosha'. N.3448, E.06754. Elevation 2,850 m. Mixture of *T. aestivum* and *T. compactum.*

347202. TRITICUM sp.

26.505. 'Kalabugundak'. Bamian. Elevation 2,850 m. Mixture of *T. aestivum* and *T. compactum.*

347003 to 347213—Continued

347203. TRITICUM sp.

26.506. 'Kalabugundak (Bahri)'. Bamian. Elevation 2,850 m. Mixture of *T. aestivum* and *T. compactum.*

347204. TRITICUM sp.

26.521. N.3430, E.06617. Elevation 3,150 m. Mixture of *T. aestivum* and *T. compactum.*

347205. TRITICUM sp.

26.525. N.3427, E.06557. Elevation 3,150 m. Mixture of *T. aestivum* and *T. compactum.*

347206. TRITICUM sp.

26.526. Daulat Yar. Elevation 2,800 m. Mixture of *T. aestivum* and *T. compactum.*

347207. TRITICUM sp.

26.527. N.3433, E.06542. Elevation 2,750 m. Mixture of *T. aestivum* and *T. compactum.*

347208. TRITICUM sp.

26.528. N.3432, E.06527. Elevation 2,650 m. Mixture of *T. aestivum* and *T. compactum.*

347209. TRITICUM sp.

26.529. N.3418, E.06455. Elevation 3,250 m. Mixture of *T. aestivum* and *T. compactum.*

347210. TRITICUM sp.

26.535. 'Safidak', 'Sirha', 'Kalak'. N.3405, E.06424. Elevation 2,650 m.

347211. TRITICUM sp.

26.538. 'Tirmai', 'Saficha'. N.3420 E.06357. Elevation 2.050 m.

347212. TRITICUM sp.

26.451. Site number 15096802/01.

347213. TRITICUM sp.

26.542. No data.

347214 to 347233.

From Iran. Seed collected in 1968 by Erna Bennett, Plant Production and Protection Division, Food and Agriculture Organization of the United Nations, Rome, Italy. FAO code number follows P. I. number. Received September 10, 1969.

347214. TRITICUM sp. Gramineae.

26.193. Site No. 08076801/01.

347215. TRITICUM sp.

26.194. Site No. 09076801/01.

347216. TRITICUM sp.

26.195. Site No. 09076802/01.

347217. TRITICUM sp.

26.196. Site No. 09076803/01.

347218. TRITICUM sp.

26.197. Site No. 09076804/01.

347219. TRITICUM sp.

26.200. Site No. 10076802/01.

347220. TRITICUM sp.

26.203. Site No. 10076803/01.

347221. TRITICUM sp.

26.204. Site No. 10076804/01.

347222. TRITICUM sp.

26.206. Site No. 10076805/01

347214 to 347233—Continued

347223. TRITICUM sp.
26.207. Site No. 10076806/01.

347224. TRITICUM sp.
26.208. Site No. 10076807/01.

347225. TRITICUM sp.
26.210. Site No. 11076801/01.

347226. TRITICUM sp.
26.212. 'Mar-ghi'. Site No. 11076802/01.

347227. TRITICUM sp.
26.213. Site No. 11076803/01.

347228. TRITICUM sp.
26.214. Site No. 11076803/02.

347229. TRITICUM sp.
26.217. Site No. 11076804/01.

347230. TRITICUM sp.
26.220. Site No. 11076805/01.

347231. TRITICUM sp.
26.222. Site No. 12076801/01.

347232. TRITICUM sp.
26.223. Site No. 12076801/02.

347233. TRITICUM sp.
26.224. Site No. 12076802.

347234. VITIS VINIFERA L. Vitaceae. **European grape.**

From Switzerland. Cuttings presented by Domaine du Mont d'Or, Pont de-la-Morge, Sion. Received February 11, 1970.

'Humagnes'.

347235. ALPINIA sp. Zingiberaceae.

From New Guinea. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland for USDA-Longwood Cooperative Program. Received February 13, 1970.

Col. 203. Plant tall, herbaceous, fruit in lateral pendent spike, obovoid, red, 1 inch long.

347236 to 347238.

From Panama. Stolons presented by J. M. Rattray, Proyecto De Pastos Y Forrajes, David. Received February 9, 1970.

347236 and 347237. BRACHIARIA RUZIZIENSIS Germain & Evrard Gramineae.

347236. Originally from Surinam.

347237. Originally from Guatemala.

347238. HEMARTHRIA ALTISSIMA (Poir.) Stapf & Hubb. Gramineae. (G508). Originally from Rhodesia.

347239 and 347240. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

From Sweden. Seed presented by Weibulls Seed Company, Landskrona. Received January 20, 1970.

347239. 'Immuna'. F_1 Hybrid. Cross between big fruited, male sterile American line and a small fruited variety selected from another cross between *L. pimpinellifolium* and a Swedish variety used for indoor cultivation.

347240. 'Minerva'. F_1 Hybrid. Cross between big fruited, male sterile American line and 'Vinequeen'.

347241 to 347244. HIBISCUS CANNABINUS L. Malvaceae. **Kenaf.**

From Zambia. Seed collected by D. B. Fanshawe, Forest Department, Ministry of Rural Development, Kitwe. Received January 19, 1969.

347241. Mkushi District.

347242. Kabwe District.

347243. Serenje District.

347244. Mumbwa District.

347245 to 347254.

From Ethiopia. Seed collected by J. R. Harlan, Department of Agronomy, University of Illinois, Urbana, Illinois. Received February 12, 1970.

347245 to 347248. HORDEUM VULGARE L. Gramineae. **Barley.**

347245. 265. **Fasha market, Konso.**

347246. 266. **Fasha market, Konso.**

347247. 287. Dokatu Market near Back'aoule, Konso. Covered.

347248. 288. Dokatu Market near Back'aoule, Konso. Naked.

347249 and 347250. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

347249. 269. **Fasha market, Konso.**

347250. 292. Dokatu Market near Back'aoule, Konso. Red and white mixed.

347251 to 347254. ZEA MAYS L. Gramineae. **Corn.**

347251. 272. **Fasha market, Konso. Seed white, medium size.**

347252. 284. Dokatu market near Back'aoule, Konso. Seed white, cream and red, medium size.

347253. 285. Dokatu market near Back'aoule, Konso. Small seed, white; slight mixture of purplish black and red.

347254. 308. Dosha, between Arba Mintch-Sheshemane road and Hosana. Market sample. Medium-sized seed, white to cream; slight red mixture.

347255 and 347256.

From New Guinea. Seed collected by H. F. Winters and J. J. Higgins, plant Science Research Division, Plant Industry Station, Beltsville, Maryland for USDA-Longwood Cooperative Program. Received February 13, 1970.

347255. FICUS DAMMAROPSIS Diels Moraceae.

Col. 300. Near Aiyuia on Kainanta Road. Trees to 9 m.; leaves large, corrugated; fruit axillary toward tips of branches 10–13 cm. diameter.

347256. MUSA sp. Musaceae.

Col. 306. Along road Kassam Pass to Lae, 8 km. from Kassam Pass. Giant herb; flower bracts persist until fruit matures.

347257 to 347259.

From the United States. Plant varieties developed by D. R. Egolf, United States National Arboretum, Washington, D.C. Received February 6, 1970.

347257. HIBISCUS SYRIACUS L. Malvaceae. **Shrub-althea.**

N.A. 32224. 'Diana'. Tetraploid white with red eye seedling crossed with white seedling. Growth habit compact; foliage heavy, glossy, dark green; flowers 10–15 cm., pure white, heavy texture, wide spreading, borne freely from late June until frost.

347258. PYRACANTHA (hybrid) Rosaceae.

N.A. 32225. 'Mohave'. *P. koidsumii* × *P. coccinea* 'Wyatt'. Plant upright, dense; leaves heavy-textured, dark green, persist until late spring; fruit abundant, firm, orange red 32A, ripens mid-August, remains colorful until January. Resistant to scab and fire blight.

347257 to 347259—Continued

347259. VIBURNUM DILATATUM Thumb. Caprifoliaceae. **Linden viburnum.**

N.A. 32226. 'Erie'. Selected from seedling population from Japan. Plant compact, medium height; abundant inflorescences cream-white in May; fruit coral colored in large inflorescences, persist until late winter.

347260. HELIANTHUS ANNUS L. Compositae. Sunflower.

From France. Seed presented by P. Leclercq, Station d'Amelioration des Plantes, Clermont-Ferrand. Received January 28, 1970.

INRA 6501. (M 10–2–e–a × Cerneanbra 5–1). Female parent comes from a variety where the sterility of the male is due to the color of the plantlet. The male parent traces to the Russian variety 'Cerneanka'.

347261 and 347262.

From Italy. Seed presented by G. Haussmann, Istituto Sperimentale Culture Foraggere, Lodi. Received January 28, 1970.

347261. CICER ARIETINUM L. Leguminosae. **Chickpea.**

'Sulmona'.

347262. VICIA FABA var. MINOR (Peterm.) Beck. Leguminosae. **Broadbean.**

'Madfredini'.

347263 to 347265. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Pakistan. Seed presented by Mohammad Aslam, Department of Plant Breeding and Genetics, West Pakistan Agricultural University, Lyallpur. Received January 29, 1970.

347263. 'Tarbela 70'.

347264. 'Tarnab 69'.

347265. 'Khushal 69' (G.B.).

347266. ZEA MAYS L. Gramineae. Corn.

From Kenya. Seed presented by National Agricultural Research Station, Kitale, Kenya. Received February 11, 1970.

'Kenya SK'.

Composite comprised of germ plasm from southern United States, Yugoslavia, Rhodesia, South Africa, Nigeria, Central and South America not included in Corn Belt-Kenya. Material has undergone five cycles of re-combination without selection in Kenya and one cycle of mass selection at Iowa State University.

347267 to 347269. MALUS SYLVESTRIS Mill. Rosaceae. Apple.

From Japan. Cuttings presented by the Aomori Apple Experiment Station, Kuroishi-City, Aomori Prefecture.

Received February 19, 1970.

347267. 'Kokko' standard.

347268. 'Kokko' strain 2.

347269. 'Kokko' strain 3.

347270 to 347531. PISUM SATIVUM L. Leguminosae. Pea.

From India. Seed presented by H. B. Singh, Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi under Public Law 480, Project A7–CR–126.

Received February 25, 1970.

347270. PLP 119. Abohar, Punjab. Green seeded.

347271. PLP 131. Samrala, Punjab. Green seeded.

347270 to 347531—Continued

347272. PLP 143. Hoshiarpur, Punjab. Green seeded.

347273. PLP 145. Hoshiarpur, Punjab. Green seeded.

347274. PLP 149. Multanpur, Punjab. Green seeded.

347275. PLP 508. Ootacamund, Madras. Nilgiri hills, elevation 2,200 m. Green seeded.

347276. PLP 511. Sambalpur, Orissa. Green seeded.

347277. PLP 522. Kodai Kanal, Madras. Nilgiri hills, elevation 2,300 m. Green seeded.

347278. PLP 2. Gorakhpur, Uttar Pradesh. Yellow seeded.

347279. PLP 4. BR. 12. Patna, Bihar. Yellow seeded.

347280. PLP 8. BR. 2. Sabour, Bihar. Yellow seeded.

347281. PLP 10. Sitapur, Uttar Pradesh. Yellow seeded.

347282. PLP 11. Chandausi, Uttar Pradesh. Yellow seeded.

347283. PLP 12. Chandausi, Uttar Pradesh. Yellow seeded.

347284. PLP 13. T–61. Jhansi, Uttar Pradesh. Yellow seeded.

347285. PLP 15. Chandausi, Uttar Pradesh. Yellow seeded.

347286. PLP 16. Hapur, District Meerut, Uttar Pradesh. Yellow seeded.

347287. PLP 17. Hapur, District Meerut, Uttar Pradesh. Yellow seeded

347288. PLP 18. Hapur, District Meerut, Uttar Pradesh. Yellow seeded.

347289. PLP 19. Hapur, District Meerut, Uttar Pradesh. Yellow seeded.

347290. PLP 21. Hapur, District Meerut, Uttar Pradesh. Yellow seeded.

347291. PLP 22. Amroha, Uttar Pradesh. Yellow seeded.

347292. PLP 23. Amroha, Uttar Pradesh. Yellow seeded.

347293. PLP 24. Amroha, Uttar Pradesh. Yellow seeded.

347294. PLP 25. Amroha, Uttar Pradesh. Yellow seeded.

347295. PLP 26. Amroha, Uttar Pradesh. Yellow seeded.

347296. PLP 27. Chandausi, Uttar Pradesh. Yellow seeded.

347297. PLP 28. Hamirpur, Uttar Pradesh. Yellow seeded.

347298. PLP 29. Bhanpur, Uttar Pradesh. Yellow seeded.

347299. PLP 31. Kanpur, Uttar Pradesh. Yellow seeded.

347300. PLP 32. Kanpur, Uttar Pradesh. Yellow seeded.

347301. PLP 41. Moradabad, Uttar Pradesh. Yellow seeded.

347302. PLP 42. Moradabad, Uttar Pradesh. Yellow seeded.

347303. PLP 43. Moradabad, Uttar Pradesh. Yellow seeded.

347304. PLP 45A. Sahajahanpur, Uttar Pradesh. Yellow seeded.

347305. PLP 46. Pilibhit, Uttar Pradesh. Yellow seeded.

347306. PLP 48. Bichpuri, Agra, Uttar Pradesh. Yellow seeded.

347307. PLP 54A. Goverdhan, District Mathura, Uttar Pradesh. Yellow seeded.

347308. PLP 55. Unnao, Uttar Pradesh. Yellow seeded.

347309. PLP 59. Mathura, Uttar Pradesh. Yellow seeded.

347310. PLP 62. Aligarh, Uttar Pradesh. Yellow seeded.

347311. PLP 63. Aligarh, Uttar Pradesh. Yellow seeded.

347312. PLP 64. Aligarh, Uttar Pradesh. Yellow seeded.

347270 to 347531—Continued

347313. PLP 64A. Aligarh, Uttar Pradesh. Yellow seeded.

347314. PLP 66. Sahajahanpur, Uttar Pradesh. Yellow seeded.

347315. PLP 67. Bulandsahar, Uttar Pradesh. Yellow seeded.

347316. PLP 68. Bulandsahar, Uttar Pradesh. Yellow seeded.

347317. PLP 71. Bulandsahar, Uttar Pradesh. Yellow seeded.

347318. PLP 72. Bulandsahar, Uttar Pradesh. Yellow seeded.

347319. PLP 73. Bulandsahar, Uttar Pradesh. Yellow seeded.

347320. PLP 77. Bareilly, Uttar Pradesh. Yellow seeded.

347321. PLP 88. Bharatpur. Rajasthan. Yellow seeded.

347322. PLP 88A. Bharatpur, Rajasthan. Yellow seeded.

347323. PLP 89. Debai, Bulandsahar. Uttar Pradesh. Yellow seeded.

347324. PLP 90. Debai, Bulandsahar, Uttar Pradesh. Yellow seeded.

347325. PLP 91. Debai, Bulandsahar, Uttar Pradesh. Yellow seeded.

347326. PLP 93. Debai, Bulandsahar, Uttar Pradesh. Yellow seeded.

347327. PLP 98. Debai, Bulandsahar, Uttar Pradesh. Yellow seeded.

347328. PLP 99. Debai, Bulandsahar, Uttar Pradesh. Yellow seeded.

347329. PLP 100. Debai, Bulandsahar, Uttar Pradesh. Yellow seeded.

347330. PLP 102. Debai, Bulandsahar. Uttar Pradesh. Yellow seeded.

347331. PLP 103. Maigadganj, Uttar Pradesh. Yellow seeded.

347332. PLP 104. Hardoi, Uttar Pradesh. Yellow seeded.

347333. PLP 105. Hardoi, Uttar Pradesh. Yellow seeded.

347334. PLP 109. Jekra, Delhousie. Nilgiri hills. Elevation 160–180 m. Yellow seeded.

347335. PLP 113. Panjpulla, Delhousie, Himachel Pradesh. Nilgiri hills. Elevation 160–180 m. Yellow seeded.

347336. PLP 118. Abohar, Punjab. Yellow seeded.

347337. PLP 125. Udaypur, Rajsthan. Yellow seeded.

347338. PLP 126. Barnala, Punjab. Yellow seeded.

347339. PLP 127. Barnala, Punjab. Yellow seeded.

347340. PLP 130. Samrala, Punjab. Yellow seeded.

347341. PLP 137. Sultanpur, Uttar Pradesh. Yellow seeded.

347342. PLP 154. Chaini, Punjab. Yellow seeded.

347343. PLP 156. Kanpur, Uttar Pradesh. Yellow seeded.

347344. PLP 159. Larikapura, Charrdaidii. Yellow seeded.

347345. PLP 160. Larikapura, Charrdaidii. Yellow seeded.

347346. PLP 162. Charan Shand, Uttar Pradesh. Yellow seeded.

347347. PLP 173. Ferojpur, Punjab. Yellow seeded.

347348. PLP 182. Totiala, Rajasthan. Yellow seeded.

347349. PLP 188. Pratapgarh, Uttar Pradesh. Yellow seeded.

347350. PLP 199. Palwal, Haryana. Yellow seeded.

347351. PLP 201. Sahabad, Uttar Pradesh. Yellow seeded.

347352. PLP 212. Jaunpur, Uttar Pradesh. Yellow seeded.

347353. PLP 213. Etawah, Uttar Pradesh. Yellow seeded.

347354. PLP 216. Agra, Uttar Pradesh. Yellow seeded.

347270 to 347531—Continued

347355. PLP 217. Ferozabad, Uttar Pradesh. Yellow seeded.
347356. PLP 218. Ferozabad, Uttar Pradesh. Yellow sedded.
347357. PLP 219. Ferozabad, Uttar Pradesh. Yellow seeded.
347358. PLP 221. Auriya, Uttar Pradesh. Yellow seeded.
347359. PLP 222. Bhadhi, Uttar Pradesh. Yellow seeded.
347360. PLP 227. Basurpur, Uttar Pradesh. Yellow seeded.
347361. PLP 234. Etawah, Uttar Pradesh. Yellow seeded.
347362. PLP 235. Bajpur, District Nainital, Uttar Pradesh. Yellow seeded.
347363. PLP 237. Gatampur, Uttar Pradesh. Yellow seeded.
347364. PLP 241. Bangar, Uttar Pradesh. Yellow seeded.
347365. PLP 265. Rahi, Uttar Pradesh. Yellow seeded.
347366. PLP 266. Ranbagh, Uttar Pradesh. Yellow seeded.
347367. PLP 268. Vignapur, Uttar Pradesh. Yellow seeded.
347368. PLP 268A. Vignapur, Uttar Pradesh. Yellow seeded.
347369. PLP 275. Aduniabyogi, Uttar Pradesh. Yellow seeded.
347370. PLP 278. Lalaganj, Uttar Pradesh. Yellow seeded.
347371. PLP 282. Ramganj, Uttar Pradesh. Yellow seeded.
347372. PLP 297. Jaunpur, Uttar Pradesh. Yellow seeded.
347373. PLP 301. Kaithi, Uttar Pradesh. Yellow seeded.
347374. PLP 303. Banaras, Uttar Pradesh. Yellow seeded.
347375. PLP 304. Kunda, Uttar Pradesh. Yellow seeded.
347376. PLP 309. Thilakpur, Uttar Pradesh. Yellow seeded.
347377. PLP 310. Jangipur, Uttar Pradesh. Yellow seeded.
347378. PLP 311. Man, Uttar Pradesh. Yellow seeded.
347379. PLP 312. Saidpur, Uttar Pradesh. Yellow seeded.
347380. PLP 313. Gopalganj, Uttar Pradesh. Yellow seeded.
347381. PLP 314. Basti, Gorakhpur, Uttar Pradesh. Yellow seeded.
347382. PLP 315. Gota, Uttar Pradesh. Yellow seeded.
347383. PLP 316. Ghazipur, District Ballia, Uttar Pradesh. Yellow seeded.
347384. PLP 318. Ghazipur, District Ballia, Uttar Pradesh. Yellow seeded.
347385. PLP 320. Saidpur, District Bulandsahar, Uttar Pradesh. Yellow seeded.
347386. PLP 326. Munderwa, Uttar Pradesh. Yellow seeded.
347387. PLP 328. Basti, Gorakhpur, Uttar Pradesh. Yellow seeded.
347388. PLP 330. Khalilabad, Uttar Pradesh. Yellow seeded.
347389. PLP 332. Kolia, Uttar Pradesh. Yellow seeded.
347390. PLP 333. Umara, Uttar Pradesh. Yellow seeded.
347391. PLP 334. Nevada, Uttar Pradesh. Yellow seeded.
347392. PLP 336. Captainganj, Uttar Pradesh. Yellow seeded.
347393. PLP 340. Kasipur, Uttar Pradesh. Yellow seeded.
347394. PLP 342. Faizabad, Uttar Pradesh. Yellow seeded.
347395. PLP 343. Harnea ganj, Uttar Pradesh. Yellow seeded.
347396. PLP 344. Kasipur, District Nainital, Uttar Pradesh. Yellow seeded.

347270 to 347531—Continued

347397. PLP 352. Hardoi, Uttar Pradesh. Yellow seeded.

347398. PLP 353. Damodpur, Uttar Pradesh. Yellow seeded.

347399. PLP 355. Shahjahanpur, Uttar Pradesh. Yellow seeded.

347400. PLP 362. Hardoi, Uttar Pradesh. Yellow seeded.

347401. PLP 363. Faizabad, Uttar Pradesh. Yellow seeded.

347402. PLP 364. Betagokul, Uttar Pradesh. Yellow seeded.

347403. PLP 365. Satibad, Uttar Pradesh. Yellow seeded.

347404. PLP 366. Maihi Shaha, Uttar Pradesh. Yellow seeded.

347405. PLP 370. Jangipur, Uttar Pradesh. Yellow seeded.

347406. PLP 371. Jalalpur, Uttar Pradesh. Yellow seeded.

347407. PLP 372. Shahjahanpur, Uttar Pradesh. Yellow seeded.

347408. PLP 377. Arazha, Uttar Pradesh. Yellow seeded.

347409. PLP 379A. Shahjahanpur, Uttar Pradesh. Yellow seeded.

347410. PLP 380. Bareilly, Uttar Pradesh. Yellow seeded.

347411. PLP 385. Kicha, District Nainital, Uttar Pradesh. Yellow seeded.

347412. PLP 386. Haldwini, District Nainital, Uttar Pradesh. Yellow seeded.

347413. PLP 390. Amroha, Uttar Pradesh. Yellow seeded.

347414. PLP 391. Badshipur, Uttar Pradesh. Yellow seeded.

347415. PLP 392. Amroha, Uttar Pradesh. Yellow seeded.

347416. PLP 396. Kicha, Uttar Pradesh. Yellow seeded.

347417. PLP 401. Bijnaur, Uttar Pradesh. Yellow seeded.

347418. PLP 404. Muzafernagar, Uttar Pradesh. Yellow seeded.

347419. PLP 405. Ravli, Uttar Pradesh. Yellow seeded.

347420. PLP 408. Betagokul, Uttar Pradesh. Yellow seeded.

347421. PLP 416. Jabalpur, Madhya Pradesh. Yellow seeded.

347422. PLP 426. Shikohabad, Uttar Pradesh. Yellow seeded.

347423. PLP 433. Ukhrer, Shikohabad, Uttar Pradesh. Yellow seeded.

347424. PLP 441. Etawah, Uttar Pradesh. Yellow seeded.

347425. PLP 442. Etawah Uttar Pradesh. Yellow seeded.

347426. PLP 449. Kanpur, Uttar Pradesh. Yellow seeded.

347427. PLP 452. Sultanpur, Uttar Pradesh. Yellow seeded.

347428. PLP 455. Sultanpur, Uttar Pradesh. Yellow seeded.

347429. PLP 458. Kadipur, Azamgarh, Uttar Pradesh. Yellow seeded.

347430. PLP 459. Kadipur, Azamgarh. Uttar Pradesh. Yellow seeded.

347431. PLP 461. Azamgarh, Uttar Pradesh. Yellow seeded.

347432. PLP 462. Azamgarh, Uttar Pradesh. Yellow seeded.

347433. PLP 463. Azamgarh, Uttar Pradesh. Yellow seeded.

347434. PLP 467. Gorakhpur. Village Sewra. Uttar Pradesh. Yellow seeded.

347435. PLP 470. Basti, Gorakhpur, Uttar Pradesh. Yellow seeded.

347436. PLP 478. Jarwal Road. Yellow seeded.

347437. PLP 494. Shahjahanpur Uttar Pradesh. Yellow seeded.

347438. PLP 495. Faridpur, Bareilly. Uttar Pradesh. Yellow seeded.

347270 to 347531—Continued

347439. PLP 498. Moradabad, Uttar Pradesh. Yellow seeded.
347440. PLP 509. Sabour, Bihar. Yellow seeded.
347441. PLP 510. Sabour, Bihar. Yellow seeded.
347442. PLP 1. Akola, Maharashtra. Mottled seeded.
347443. PLP 5. BR. 118. Sabour, Bihar. Mottled seeded.
347444. PLP 7. BR. 178. Sabour, Bihar. Mottled seeded.
347445. PLP 77A. Bareilly, Uttar Pradesh. Mottled seeded.
347446. PLP 86. Sitapur, Uttar Pradesh. Mottled seeded.
347447. PLP 116. Bandla. Palampur, Himachel Pradesh. Mottled seeded.
347448. PLP 125A. Udaypur, Rajsthan. Mottled seeded.
347449. PLP 167. Purnea, Bihar. Mottled seeded.
347450. PLP 168. Purnea, Bihar. Mottled seeded.
347451. PLP 170. Saharsa, Bihar. Mottled seeded.
347452. PLP 193. Hodel Haryana. Mottled seeded.
347453. PLP 204. Palwal, Haryana. Mottled seeded.
347454. PLP 215. Shikohabad, Uttar Pradesh. Mottled seeded.
347455. PLP 225. Etawah, Uttar Pradesh. Mottled seeded.
347456. PLP 243. Etawah, Uttar Pradesh. Mottled seeded.
347457. PLP 264. Naugaon, Uttar Pradesh. Mottled seeded.
347458. PLP 271. Rahi, Uttar Pradesh. Mottled seeded.
347459. PLP 273. Teri, Uttar Pradesh. Mottled seeded.
347460. PLP 274. Behadupur, Uttar Pradesh. Mottled seeded.
347461. PLP 295. Bhadar, Uttar Pradesh. Mottled seeded.
347462. PLP 338. Jarela, Uttar Pradesh. Mottled seeded.
347463. PLP 341. Jarela, Uttar Pradesh. Mottled seeded.
347464. PLP 382. Deoranan. Uttar Pradesh. Mottled seeded.
347465. PLP 382A. Deoranan, Uttar Pradesh. Mottled seeded.
347466. PLP 383. Deoranan, Uttar Pradesh. Mottled seeded.
347467. PLP 383A. Deoranan, Uttar Pradesh. Mottled seeded.
347468. PLP 419. B–22. West Bengal. Mottled seeded.
347469. PLP 425. Mathura, Uttar Pradesh. Mottled seeded.
347470. PLP 430. Shikohabad, Uttar Pradesh. Mottled seeded.
347471. PLP 450. RaiBareilly, Uttar Pradesh. Mottled seeded.
347472. PLP 460. Dandpur, Azamgarh. Mottled seeded.
347473. PLP 472. Manghat Basti. Gorakhpur, Uttar Pradesh. Mottled seeded.
347474. PLP 475. Gonda, Gorakhpur. Uttar Pradesh. Mottled seeded.
347475. PLP 486. Urdanli, Sitapur, Uttar Pradesh. Mottled seeded.
347476. PLP 487. Sidhauli, Sitapur, Uttar Pradesh. Mottled seeded.
347477. PLP 503. Fatehpur, Moradabad, Uttar Pradesh. Mottled seeded.
347478. PLP 9. Sitapur, Uttar Pradesh. Wrinkled seeded.
347479. PLP 23. Amroha, Uttar Pradesh. Wrinkled seeded.
347480. PLP 37. Gwalior, Madhya Pradesh. Wrinkled seeded.

347270 to 347531—Continued

347481. PLP 40. Gwalior, Madhya Pradesh. Wrinkled seeded.
347482. PLP 44. Alwar Rajsthan. Wrinkled seeded.
347483. PLP 49. Maholi Sitapur, Uttar Pradesh. Wrinkled seeded.
347484. PLP 56. T.19. Jhansi, Uttar Pradesh. Wrinkled seeded.
347485. PLP 63. Aligarh, Uttar Pradesh. Wrinkled seeded.
347486. PLP 65. Hetanpur, Shajahanpur, Uttar Pradesh. Wrinkled seeded.
347487. PLP 72. Bulandsahar, Uttar Pradesh. Wrinkled seeded.
347488. PLP 76A. Bareilly, Uttar Pradesh. Wrinkled seeded.
347489. PLP 80. Agra, Uttar Pradesh. Wrinkled seeded.
347490. PLP 82. Jhansi, Uttar Pradesh. Wrinkled seeded.
347491. PLP 86A. Sitapur, Uttar Pradesh. Wrinkled seeded.
347492. PLP 91A. Debai, Bullandsahar, Uttar Pradesh. Wrinkled seeded.
347493. PLP 92A. Debai, Bullandsahar, Uttar Pradesh. Wrinkled seeded.
347494. PLP 93. Debai, Bullandsahar, Uttar Pradesh. Wrinkled seeded.
347495. PLP 97. Debai, Bullandsahar, Uttar Pradesh. Wrinkled seeded.
347496. PLP 105A. Hardoi, Uttar Pradesh. Wrinkled seeded.
347497. PLP 121. Ambala, Punjab. Wrinkled seeded.
347498. PLP 122. Batala, Punjab. Wrinkled seeded.
347499. PLP 124. Batala, Punjab. Wrinkled seeded.
347500. PLP 128. Barnala, Punjab. Wrinkled seeded.
347501. PLP 132. Samrala, Punjab. Wrinkled seeded.
347502. PLP 133. Raya, District Mathura, Uttar Pradesh. Wrinkled seeded.
347503. PLP 135. Faridkot, Punjab. Wrinkled seeded.
347504. PLP 139. Sultanpur, Uttar Pradesh. Wrinkled seeded.
347505. PLP 141. Bharamwar, Punjab. Wrinkled seeded.
347506. PLP 142. Hosharpur, Punjab. Wrinkled seeded.
347507. PLP 144. Hosharpur, Punjab. Wrinkled seeded.
347508. PLP 146. Kartarpur, Punjab. Wrinkled seeded.
347509. PLP 147. Faridkot, Punjab. Wrinkled seeded.
347510. PLP 152. Una, Punjab. Wrinkled seeded.
347511. PLP 157. Assar, Punjab. Wrinkled seeded.
347512. PLP 183. Roewat pata, Rajsthan. Wrinkled seeded.
347513. PLP 239. Damra, Himachel Pradesh. Wrinkled seeded.
347514. PLP 242. Matongh, Uttar Pradesh. Wrinkled seeded.
347515. PLP 258. Kanpur, Uttar Pradesh. Wrinkled seeded.
347516. PLP 306. Hardoi, Uttar Pradesh. Wrinkled seeded.
347517. PLP 325. Gorakhpur, Uttar Pradesh. Wrinkled seeded.
347518. PLP 345. Lucknow, Uttar Pradesh. Wrinkled seeded.
347519. PLP 354. Famkot, Uttar Pradesh. Wrinkled seeded.
347520. PLP 356. Damoderpur, Uttar Pradesh. Wrinkled seeded.
347521. PLP 357. Babakul, Uttar Pradesh. Wrinkled seeded.
347522. PLP 358. Denipur, Uttar Pradesh. Wrinkled seeded.
347523. PLP 359. Kamelipur, Uttar Pradesh. Wrinkled seeded.

347270 to 347531—Continued

347524. PLP 360. Sitapur, Uttar Pradesh. Wrinkled seeded.

347525. PLP 361. Sitapur, Uttar Pradesh. Wrinkled seeded.

347526. PLP 369. Shahjahanpur, Uttar Pradesh. Wrinkled seeded.

347527. PLP 373. Shahjahanpur, Uttar Pradesh. Wrinkled seeded.

347528. PLP 387. Baheri, Uttar Pradesh. Wrinkled seeded.

347529. PLP 400. Bakagkut, Uttar Pradesh. Wrinkled seeded.

347530. PLP 406. Bijnor, Uttar Pradesh. Wrinkled seeded.

347531. PLP 413. Kanpur, Uttar Pradesh. Wrinkled seeded.

347532. ALLIUM SATIVUM L. Liliaceae. **Garlic.**

From Panama. Bulbs collected by S. J. Beville, Fort Sherman, Canal Zone. Received February 18, 1970.

Samples purchased in market.

347533. VITIS VINIFERA L. Vitaceae. **European grape.**

From France. Cuttings presented by the National School of Agriculture, Montpellier. Received February 26, 1970.

'Long's traube'.

347534 and 347535. JUGLANS REGIA L. Juglandaceae. **Persian walnut.**

From Germany. Budsticks presented by K. J. Maurer, Geisenheim—RH. Received February 26, 1970.

347534. No. 26. Late leafing.

347535. No. 139. Late leafing.

347536. CHRYSOPOGON ZEYLANICUS (Nees ex Steud.) Thwaites Gramineae.

From India. Seed presented by H. B. Singh, Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received February 18, 1970.

From the Nilgiris.

347537 and 347538.

From Costa Rica. Seed collected by A. E. Kretschmer, Agency for International Development, University of Florida Contract, American Embassy, San Jose. Received February 10, 1970.

347537. DOLICHOS AXILLARIS E. Mey. Leguminosae.

347538. VIGNA SP. Leguminosae. No. 145.

347539 to 347570. GLYCINE MAX (L.) Merr. Leguminosae. **Soybean.**

From Rumania. Seed collected by T. Hymowitz, Department of Agronomy, University of Illinois, Urbana, Ill. Received October 13, 1969.

Central Institute for Agricultural Research, Bucharest.

347539. 'Adrevla'.

347540. F59–244.

347541. F63–914.

347542. F63–1124.

347543. F63–1167.

347544. 'Iregy soja'. Hungary.

347539 to 347570—Continued

347545. 'Kirovogradskii 4'. U.S.S.R.

347546. 'Notanthoris'.

347547. 'Panonia 10'. Hungary.

347548. 'Pavlikieni 2'. Bulgaria.

347549. 'Pavlodovskaia'. U.S.S.R.

347550. 'Primorskaia 494'. U.S.S.R.

347551. S–16.

347552. 'Visocosteoelnaia'. U.S.S.R.

Institute of Cereals and Technical Plants, Fundulea.

347553. 'Batarowka'. Poland.

347554. 'Beltcaia 636' U.S.S.R.

347555. BG 23–44.

347556. F60–156.

347557. 'Harkovskaia 149'. U.S.S.R.

347558. 'Ka-Si 283'. China.

347559. 'Len-Sin-Pin-din'. China.

347560. 'Man-tan-tzin'. China.

347561. 'Novisadska BR–3'. Yugoslavia.

347562. 'Sibiva'. China.

347563. 'Sitno zrna'. Yugoslavia.

347564. 'Szurkebarat'. Hungary.

347565. 'Tzi-hua #1'. China.

347566. 'Tzi-hua #2'. China.

347567. 'Tzi-hua #4. China.

347568. 'Talyanska rana'. Yugoslavia.

347569. 'Yuan-bao-czin'. China.

347570. 'Zolta Przebsdowska'. Poland.

347571 to 347578.

From Morocco. Seeds presented by Station Centrale de Genetique et de Botanique Agricoles, Institut National de la Recherche Agronomique, Rabat. Received February 4, 1970.

347571 to 347577. FESTUCA PRATENSIS Huds. Gramineae. **Meadow fescue.**

347571. 4010.

347572. 4011.

347573. 4012.

347574. 4013.

347575. 4031.

347576. 4032.

347577. 7255. 'Mande'.

347578. PHALARIS AQUATICA L. Gramineae. **Large canarygrass.**

4018.

347579 to 347590.

From United States. Seed collected in Bexar County, Texas by Robert MacEwan, San Antonio and presented through the United States National Arboretum, Washington, D.C. Received February 20, 1970.

347579. CANNA INDICA L. Cannaceae.

347580. DESCURAINIA PINNATA (Walt) Britt. Cruciferae.

347579 to 347590—Continued

347581. DRABA CUNEIFOLIA Nutt. Cruciferae.

347582. GAILLARDIA PULCHELLA Foug. Compositae. Twinned flower.

347583. LEPIDIUM VIRGINI CUM L. Cruciferae. **Virignia pepperweed.**

347584. MALVA PARVIFLORA L. Malvaceae. **Little mallow.**

347585. MANIHOT DULCIS var. MULTIFIDA Pax Euphorbiaceae.

Hardy in southwest Texas but will not survive 15° F. or less. Matured August 15, 1968.

347586. MELILOTUS INDICA (L.) All. Leguminosae.
Annual yellow sweetclover.

Matured May 5, 1968.

347587. PHASEOLUS UMBELLATUS Britton Leguminosae.

Trifoliate vine, blooming July 5, 1968.

347588. SISYMBRIUM OFFICINALE (L.) Scop. Cruciferae.

347589. VERBENA HALEI Small Verbenaceae.

347590. VERONICA sp. Scrophulariaceae.

Possible hybrid.

347591 to 347593. JUGLANS REGIA L. Juglandaceae.
Persian walnut.

From Union of Soviet Socialist Republics. Cuttings presented by the Institute of Plant Industry, Leningrad. Received March 2, 1970.

347591. 'Bostandyk'.

347592. 'Gvardeisk'.

347593. 'Jubilee'.

347594 to 347613.

From India. Seed presented by J. N. Rai, University of Lucknow, Lucknow, under Public Law 480 Project A7–CR–37. Received February 18, 1970.

347594 to 347606. BRASSICA CAMPESTRIS var. DICHOTOMA (Roxb. ex Flem.) Watt Cruciferae.

347594. BC64.
347595. BC66.
347596. BCb8.
347597. BCb9.
347598. BCb10.
347599. BCb14.
347600. BCb15.
347601. BCb16.
347602. BCb17.
347603. BCb18.
347604. BCb19.
347605. BCb20.
347606. BCb21.

347607 to 347611. BRASSICA CAMPESTRIS var. SARSON Prain

347607. BC 27.
347608. BC 32.
347609. BC 33.
347610. BC 34.
347611. BC 35.

347612 and 347613. BRASSICA CAMPESTRIS var. TORIA Duth. & Full.

347612. BCt31.
347613. BCt35.

347614 to 347621.

From India. Seed presented by H. B. Singh and S. S. Rajan, Indian Agricultural Research Institute, New Delhi, under Public Law 480 Project A7–CR–148. Received February 5, 1970.

347614. BRASSICA CAMPESTRIS var. TORIA Duth. & Full.
IB 285.

347615 to 347619. BRASSICA JUNCEA (L.) Czern. & Coss. **Chinese mustard.**

347615. BJ 15.

347616. BJ 21.

347617. IB 128.

347618. IB 202.

347619. IB 318.

347620 and 347621. BRASSICA NIGRA (L.) Koch **Black mustard.**

347620. IB 323.

347621. IB 330.

347622 and 347623. DOMBEYA (hybrid). Sterculiaceae.

From United States. Selections made at the United States Department of Agriculture Plant Introduction Station, Miami, Florida. Received March 26, 1970.

347622. 'Perrine'. Selected from group of second generation seedlings from open pollination of *Dombeya* aff. *burgessiae* Gerr. P. I. 205654. Plants hemispherical shaped with dense medium-green foliage that sweeps the ground. Leaves glabrous 10 to 13 cm. long, 8 to 10 cm. wide, shallowly lobed, cordate, margins undulate–dentate. Flowers moderate purplish pink, carried in large, moderately dense umbels in full view above foliage; bloom from early November to mid-December.

347623. 'Pink Clouds'. Selected from large population of open-pollinated seedlings of *D. dregeana* Sond. P. I. 221175. Original seven-year old plant 3.7 m. tall and 3.7 m. wide, with many branches ascending from central crown. Moderately dense foliage; full sunlight required. Leaves medium green, 13 to 15 cm. long, 10 to 13 cm. wide, lobed, margins dentate. Flowers 4.5 cm. across, light purplish pink; appear as large clusters over entire bush; bloom from early October to mid-November.

347624 to 347639.

From Ethiopia. Seed collected by J. R. Harlan, Department of Agronomy, University of Illinois, Urbana, Illinois. Received January 20, 1970.

347624 to 347626. CAJANUS CAJAN (L.) Millsp. Leguminosae. **Pigeon pea.**

347624. 264. Field at Kasargo Village, West Fasha, Konso.

347625. 268. Fasha market, Konso.

347626. Dokatu market near Back'aoule, Konso.

347627 to 347631. DOLICHOS LABLAB L. Leguminosae. **Hyacinth-bean.**

347627. 268. Fasha market, Konso. Black.

347628. 268. Fasha market, Konso. Brown.

347629. 286. Dokatu market near Back'aoule, Konso.

347630. 290. Dokatu market near Back'aoule, Konso. Black.

347631. 290. Dokatu market near Back'aoule, Konso. Brown.

347632 and 347633. ERAGROSTIS TEF (Zucc.) Trotter Gramineae. **Teff.**

347632. 167. Babi market east of Kembolcha.

347633. 291. Dokatu market near Back'aoule, Konso.

347634. LINUM USITATASSIMUM L. Linaceae. **Flax.**
280. Olenta near Back'aoule, Konso.

347624 to 347639—Continued

347635 to 347637. PHASEOLUS VULGARIS L. Leguminosae. **Common bean.**

347635. 268. **Fasha market, Konso.**

347636. 271. **Fasha market, Konso.**

347637. 289. Dokatu market near Back'aoule, Konso.

347638. PISUM SATIVUM L. Leguminosae. **Pea.**

168. Babi market east of Kembolcha.

347639. VIGNA UNGUICULATA (L.) Walp. Leguminosae. **Cowpea.**

283. Irrigated garden about 10 km. south of Back'aoule, Konso.

347640 and 347641. ZEA MAYS L. Gramineae. **Corn.**

From Nigeria. Seed presented by J. Craig, Federal Department of Agriculture Research, Ibadan. Received March 2, 1970.

347640. Nigerian Composite A.

347641. Nigerian Composite B.

347642. METROXYLON SALOMONENSIS (Warb.) Becc. Palmae.

From New Guinea. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland for USDA-Longwood Cooperative Program. Received March 9, 1970.

Col. 425. New Guinea Biological Foundation, Bougainville Island.

Tall, stout palm to 15 m; pinnate leaves to 4.6 m; petiole bases leave lattice marks on remaining leaves when removed.

347643. EREMOCITRUS GLAUCA (Lindl.) Swingle Rutaceae.
Australian desert kumquat.

From Australia. Seed presented by the Queensland Herbarium Indooroopilly, Brisbane. Received March 12, 1970.

Myall Park, Glenmorgan. Large-fruited strain.

347644. TRICHOSANTHES sp. Cucurbitaceae.

From New Guinea. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland for USDA-Longwood Cooperative Program. Received March 9, 1970.

Col. 464. Division of Botany, Botanic Garden, Lae. High climbing vine; leaves tri-lobed: central leaflet oblong 11 cm.; laterals oblique; fruit round 11 cm. in diameter; bright red at maturity.

347645. STOKESIA LAEVIS (Hill) Greene Compositae.

From United States. Seed purchased from Herbst Brothers, Seedsmen, Inc., Brewster, N.Y. Received February 27, 1970.

Erect perennial.

347646 to 347695. IPOMOEA BATATAS (L.) Lam. Convolvulaceae.
Sweetpotato.

From New Guinea. Seed presented by Allen Kimbre, Aiyura Agricultural Experiment Station, Department of Agriculture, Stocks and Fisheries, to H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland. Received March 12, 1970.

347646. 241. 'Kuli'. Round leaves.

347647. 242. 'Namamto'. Round leaves.

347648. 243. 'Parabia'. Round leaves.

347649. 244. 'Garaina'. Round leaves.

347646 to 347695—Continued

347650. 245. 'Kivep'. Round leaves.
347651. 246. 'Likalaka-ai'. Round leaves.
347652. 247. 'Modigiem'. Round leaves.
347653. 248. 'Kinatoa'. Round leaves.
347654. 249. No name. Round leaves.
347655. 250. 'Mesinamb'. Round leaves.
347656. 251. 'Truk'. Round leaves.
347657. 252. 'Hageseta'. Round leaves.
347658. 253. 'Argoei'. Round leaves.
347659. 254. 'Palangi'. Shouldered leaves (hastate).
347660. 255. 'Amba'. Shouldered leaves (hastate).
347661. 256. 'Chimbu'. Shouldered leaves (hastate).
347662. 257. No name. Shouldered leaves (hastate).
347663. 258. 'Merenga'. Shouldered leaves (hastate).
347664. 259. 'Markham II'. Shouldered leaves (hastate).
347665. 260. 'Akueal'. Shouldered leaves (hastate).
347666. 261. 'Perenog'. Shouldered leaves (hastate).
347667. 262. 'Obume'. Shouldered leaves (hastate).
347668. 263. 'Minip'. Shouldered leaves (hastate).
347669. 264. 'Seju'. Shouldered leaves (hastate).
347670. 265. 'Sukam'. Shouldered leaves (hastate).
347671. 266. 'Ofue'. Shouldered leaves (hastate).
347672. 267. 'Gehanaganritoke'. Shouldered leaves (hastate).
347673. 268. 'Tsimbienkai'. Shouldered leaves (hastate).
347674. 269. 'Aferema-ia'. Shouldered leaves (hastate).
347675. 270. 'Ofare'. Shouldered leaves (hastate).
347676. 271. 'Moni'. Palmately lobed leaves.
347677. 272. 'Kake-u'. Palmately lobed leave.
347678. 273. 'Gora'. Palmately lobed leaves.
347679. 274. 'Karamphkulua'. Palmately lobed leaves.
347680. 275. 'Kaupina'. Palmately lobed leaves.
347681. 276. 'Maragame'. Palmately lobed leaves.
347682. 277. 'Wakgiamb'. Palmately lobed leaves.
347683. 278. 'Conmayamb'. Palmately lobed leaves.
347684. 279. 'Boujau'. Palmately lobed leaves.
347685. 280. 'Kadukina'. Palmately lobed leaves.
347686. 281. 'Tere'. Palmately lobed leaves.
347687. 282. 'Wailame'. Palmately lobed leaves.
347688. 283. 'Garakaname'. Palmately lobed leaves.
347689. 284. 'Bunung'. Palmately lobed leaves.
347690. 285. 'Naveto'. Palmately lobed leaves.
347691. 286. 'O'Fari'. Palmately lobed leaves.
347692. 287. 'Mere'. Palmately lobed leaves.

347646 to 347695—Continued

347693. 288. 'Sunbaname'. Palmately lobed leaves.

347694. 289. No name. Palmately lobed leaves.

347695. 290. 'Batete'. Palmately lobed leaves.

347696 to 347702. Oryza sativa L. Gramineae. Rice.

From Brazil. Seed presented by J. Swagerty, Instituto de Pesquisas, Belem, Para. Received March 3, 1970.

347696. 'Alupi'.

347697. 'Apura'.

347698. 'Galibi'.

347699. 'Kapuri'.

347700. 'Magali'.

347701. 'Temerim'.

347702. 'Washabo'.

347703 to 347720. Saccharum (hybrid) Gramineae. Sugarcane.

From India. Cuttings presented by the Director, Sugarcane Breeding Institute, Coimbatore. Received March 6, 1970.

347703. Co. 727.

347704. Co. 1007.

347705. Co. 1223.

347706. N.C. 42.

347707. N.C. 49.

347708. I.A. 2397.

347709. I.A. 3002.

347710. I.A. 3014.

347711. I.A. 3016.

347712. I.A. 3053.

347713. I.C. 225.

347714. P' 111.

347715. SES 88C.

344716. SES 224.

347717. SES 248.

347718. SES 264.

347719. SES 310.

347720. SES 334.

347721. Tripetalum cymosum K. Schum. Guttiferae.

From New Guinea. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland for USDA-Longwood Cooperative Program. Received March 11, 1970.

Col. 429. Experiment Station, Department of Agriculture, Stocks and Fisheries, Bubia. Columnar evergreen to 9 m. with pendent branches.

347722 and 347723. Avena sativa L. Gramineae. Common oat.

From West Germany. Seed presented by E. Rehse, F. von Lochow-Petkus. Wetz uber Northeim. Received February 13, 1970.

347722. 'Flamings-Mirus'. Spring oat.

347723. 'Rallus'. Spring oat.

347724 and 347725.

From Japan. Seed presented by Botanical Garden of Osaka City University, Kitawa Chi-gun, Osaka-Fu. Received February 10, 1970.

347724. Celtis sinensis Pers. Ulmaceae. **Chinese hackberry.**

No. 28.

347725. Cercis chinensis Bunge Leguminosae. **Chinese redbud.**

No. 29.

347726. Phaseolus vulgaris L. Leguminosae. Common bean.

From Yugoslavia. Seed presented by M. Wrischer, Institute Ruder Boskovic, through the Botanical Garden, University of Zagreb. Received March 4, 1970.

'Butterfisole'. Seed plump, roundish, tan colored.

347727 to 347729.

From India. Seed presented by R. P. Roy, Department of Botany, Patna University, Patna, under Public Law 480 Project A7–CR–250.

Received January 24, 1970.

347727. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. **Watermelon.**
Trailing herb; thick sparingly lobed leaves, small spherical fruits, seeds with prominent raised rim.

347728. CUCUMIS CALLOSUS (Rottl.) Cogn. in Engl. Cucurbitaceae.
From Rajgir forests, South Bihar. September 1968.

347729. LUFFA GRAVEOLENS Roxb. Cucurbitaceae.
Grows only in rainy season, night bloomer.

347730 and 347731. TRITICUM DURUM Desf. Gramineae. Durum wheat.

From Italy. Seed presented by A. Bozzini, Comitato Nazionale per L'Energia Nucleare, Rome.

Received March 2, 1970.

347730. 'Castelfusano'.

347731. 'Castelporziano'.

347732 to 347738. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Japan. Seed presented by K. Tamai, Ministry of Agriculture and Forestry, Kasumigaseki, Chiyoda-ku, Tokyo. Received March 2, 1970.

347732. 'AF 18'.

347733. 'AF 39 IW'.

347734. 'AF 47'.

347735. 'Chugoku 90'.

347736. 'Florence' × Pusa '8428'.

347737. 'Nanbu-Komugi'.

347738. 'Norin 62'.

347739 to 347743.

From England. Seed presented by M. T. Feesey, Barnstaple, New Devon. Received February 27, 1970.

347739. AGROSTIS NEBULOSA Boiss. & Reut. Gramineae. **Cloudgrass.**
Very fine delicate panicles.

347740. BRIZA MAXIMA L. Gramineae. **Big quaking grass.**
Large quaking grass.

347741. BRIZA MEDIA L.
Very attractive panicles.

347742. BRIZA MINOR L. **Little quaking grass.**

347743. LAGURUS OVATUS L. Gramineae.
Ornamental grass.

347744 to 347747.

From India. Seed presented by S. Sampath, Central Rice Research Institute, Cuttack. Received February 20, 1970.

347744. ORYZA GLABERRIMA Steud. Gramineae.
709–1604–2–2. Mutant. Palealess.

347745. ORYZA RUFIPOGON Griff.
602–1312–1–1. Mutant. Beaked palea.

347746 and 347747. ORYZA SATIVA L.

347746. 730–2410–4–20. 'Ptb.10' Mutant—"Gaping."

347747. 'Saturn'. Mutant—"albo-viridis."

347748. ORYZA SATIVA L. Gramineae.

From Thailand. Seed presented by Rice Department, Ministry of Agriculture, Bangkok, through Office of Agricultural Attache, American Embassy.

Received February 20, 1970.

'RD2'.

347749. VICIA HAJASTANA Grossh. Leguminosae.

From Union of Soviet Socialist Republics. Seed presented by the Botanical Garden, Ashkhabad, Turkmenian S.S.R.

Received March 3, 1970.

BN 19191–68. Collected near Kopet-Dagh in 1966.

347750 to 347754.

From France. Seed presented by A. Berbigier, Institut National de Recherches Agronomiques, Clermont-Ferrand. Received March 2, 1970.

347750 and 347751. HORDEUM DISTICHON L. Gramineae. **Two-rowed barley.**

347750. ('Ariel' × F_1 ('BNP 55' × 'Piroline') × F_1 (Rika2 × 'Baladi 16') 33 × 'Emir') No. 627. 'Ariel' a French spring two-rowed type: 'BNP 55' a mutant with short straw from Cambridge; 'Piroline' a German spring two-row; 'Emir' a German two-row resistant to mildew and fairly resistant to yellow rust; ('Rika2' × Baladi 16') 33 has good resistance to *Puccinia hordei* from 'Baladi 16'.

347751. ('Certa' × 'Iris')3. Spring two-rowed type with stiff straw from cross between 'Iris' P.I. 347752 and 'Certa' a French spring two-row.

347752 to 347754. HORDEUM VULGARE L. **Barley.**

347752. 'Iris'. Spring type with stiff straw from cross ('Bordia' × 'Kenia') × 'Frisia'. 'Bordia' a Belgian winter six-rowed type; 'Kenia' an old Danish spring two-row; 'Frisia' a German spring two-row.

347753. ('Krasnodar 1693' × 'Platen 49')46. Winter 6-rowed type, very good cold resistance. 'Krasnodar 1639' an old Russian selection; 'Platen 49' bred in Germany.

347754. ('Krasnodar 1693' × 'Platen 49') 235. Winter 6-rowed type, very good cold resistance. 'Krasnodar 1639' an old Russian selection; 'Platen 49' bred in Germany.

347755 and 347756. CEPHALOTAXUS WILSONIANA Hayata Taxaceae.

From Korea. Seed presented by Tao Kiang, Forestry Division, Joint Commission on Rural Reconstruction, Taipei. Received March 26, 1970.

347755. From Kwan-wu tract, Chutung Forest District Office. Elevation 2,000 m. November 18, 1969.

347756. From Ta-shu Shan. Elevation 2,500 m. November 25, 1969.

347757 to 347773.

From Mexico. Collected by T. Richard Tarn, Canada Department of Agriculture Research Station, Fredericton, New Brunswick, Canada. Received July 24, 1969.

347757. SOLANUM BULBOCASTANUM Dun. Solanaceae. Tarn 153.

347758. SOLANUM BULBOCASTANUM var. DOLICHOPHYLLUM Bitt. Tarn 223b.

347759. SOLANUM CARDIOPHYLLUM Lindl. Tarn 241d.

347760 to 347762. SOLANUM DEMISSUM Lindl.

347760. Tarn 64.

347761. Tarn 88.

347762. Tarn 142c.

347757 to 347773—Continued

347763 to 347765. SOLANUM MORELLIFORME Bitter & Muench.

347763. Tarn 190.

347764. Tarn 193.

347765. Tarn 227.

347766. SOLANUM PINNATISECTUM Dun.
Tarn 205a.

347767 to 347770. SOLANUM POLYADENIUM Greenm.

347767. Tarn 173a.

347768. Tarn 174c.

347769. Tarn 221.

347770. Tarn 234.

347771 and 347772. SOLANUM STOLONIFERUM Schlecht.

347771. Tarn 24.

347772. Tarn 148f.

347773. SOLANUM TUBEROSUM L. **Potato.**

Tarn 138. *Andigena* group.

347774 to 347842. PHASEOLUS LUNATUS L. Leguminosae. Lima bean.

From United States. Seed presented by R. W. Allard, Department of Genetics, University of California, Davis. to Regional Plant Introduction Station, Pullman, Washington. Received February 26, 1970.

347774. L 2 No data.

347775. L 3 'Simmons'.

347776. L 5 'Wilbur'. Prominent dry edible baby lima in California.

347777. L 8 'Westan'. Nematode resistant, dry edible baby lima.

347778. L 9 'Hopi 12'. Hopi Indian Reservation, 1947. Baby lima, dry edible.

347779. L 10 'Hopi 13'. Hopi Indian Reservation, 1947. Baby lima, dry edible.

347780. L 11 Hopi Indian Reservation, 1947. Baby lima, dry edible.

347781. L 12 'Hopi 15'. Hopi Indian Reservation, 1947. Baby lima, dry edible.

347782. L 13 'Hopi 50'. Hopi Indian Reservation, 1947. Baby lima, dry edible.

347783. L 14 'Hopi 56. Improved'. Hopi Indian Reservation, 1947. Baby lima dry edible.

347784. L 15 'Hopi 155'. Hopi Indian Reservation, 1947. Baby lima, dry edible.

347785. L 16. 'Hopi 5986'. Hopi Indian Reservation, 1947. Baby lima, dry edible.

347786. L 17 'Hopi 5989'. Hopi Indian Reservation, 1947. Baby lima, dry edible.

347787. L 19 'Hopi 2000'. Hopi Indian Reservation. 1947, selection. Baby lima. dry edible.

347788. L 23 'Triumph'. Woodruff Seed Company. Bush, vegetable lima.

347789. L 37 (109/114/46). Small maroon.

347790. L 44 (18/314/46). Large lima.

347791. L 45 (15/97/42). Very viny.

347774 to 347842—Continued

347792. L 46 (164/1–11–3–1). Zebra.

347793. L 47 (56/97/42).

347794. L 48 (15/97/42).

347795. L 49 (26–2–11–7–1). February, 1947.

347796. L 50 (218–1).

347797. L 51 (10/520/41).

347798. L 56 'Sierra'.

347799. L 58 (143–1–35–1–1). Cream eye, mottled red and black.

347800. L 66 *Rhizoctonia* resistant.

347801. L 69 Viny.

347802. L 70 'Florida Butter Vine'.

347803. L 75 Small red.

347804. L 76 Root knot nematode resistant.

347805. L 89 Hopi Indian Reservation. Nematode resistant.

347806. L 83 Baby white.

347807. L 92 No data.

347808. L 93 (4711). Colorado baby lima.

347809. L 99 (10/1/51/41). Red seed coat, vine baby lima.

347810. L 100 (192/314/46). Red seed coat, vine.

347811. L 101 (9339). Hopi Indian Reservation. Black and red.

347812. L 102 (9340). Hopi Indian Reservation. Pink.

347813. L 104 Puerto Rico. Black and cream baby lima.

347814. L 105 (4759). Plump, salmon.

347815. L 106 (4759). Black and red, bush.

347816. L 107 Light red. Excellent yields at Davis, Calif.

347817. L 108 (21/97/42). Colored lima.

347818. L 109 (45/151/41). Pink.

347819. L 110 'Willow Leaf White.' Woodruff Seed Company. Viny.

347820. L 111 Purple, flat.

347821. L 118 'Butter Pea Dixie'. Associated Seed Growers. Commercial.

347822. L 121 'Black and Buff Bush'. Early, excellent yields at Davis, Calif.

347823. L 126 'I 110 Red-Buff Vine'. Soft pod.

347824. L 129 (8990 I 309). Giant.

347825. L 132 Mixture of lines L 132–148. Nematode and *Rhizoctonia* resistant.

347826. L 133 Mixture of lines L 132–148. Good nematode resistance.

347827. L 134 Mixture of lines L 132–148. Fair nematode resistance.

347828. L 135 Mixture of lines L 132–148. Good nematode resistance.

347829. L 136 Mixture of lines L 132–148. Best nematode resistance.

347830. L 137 Mixture of lines L 132–148. Fair nematode resistance.

347831. L 138 Mixture of lines L 132–148. Excellent nematode resistance.

347832. L 139 Mixture of lines L 132–148. Fair nematode resistance.

347833. L 140 Mixture of lines L 132–148. Poor nematode resistance.

347774 to 347842—Continued

347834. L 141 Mixture of lines L 132–148. Excellent nematode resistance.

347835. L 142 Mixture of lines L 132–148.

347836. L 143 No data.

347837. L 145 No data.

347838. L 146 *Rhizoctonia* resistance.

347839. L 147 *Rhizoctonia* resistance.

347840. L 148 No data.

347841. L 160 *Rhizoctonia* resistance.

347842. L 170 *Rhizoctonia* resistance.

347843. Saccharum (hybrid) Gramineae. Sugarcane.

From Dominican Republic. Cuttings presented by the Gulf and Western Americas Corporation, Division Central Romana, La Romana.

Received March 18, 1970.

CR 67–109–3.

347844. Freycinetia sp. Pandanaceae.

From New Guinea. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland, for USDA-Longwood Cooperative Program. Received March 23, 1970.

392. Hillside below Oregenang Village. Elevation 1,430 m.

Fine foliage, climber, leaves 5 cm.

347845. Rubus sp. Rosaceae.

From New Guinea. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Md. for USDA-Longwood Cooperative Program.

Received March 24, 1970.

Col. 727. Along trail above Keglsugl Airstrip, Keglsugl. Vigorous canes to 5 m.; extremely profuse fruiting; fruit black.

347846 and 347847.

From India. Seed presented by H. B. Singh, Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received March 10, 1970.

347846. Brassica campestris var. sarson Prain Cruciferae.

'Patan-Sarson-66'. High yielding variety, developed for cultivators in Mehsana and Banaskantha districts of Gujarat State. Unbranched, capsules 6 to 8 valved, closely placed on stem. Flower lip white, stigma capitate.

347847. Sesamum indicum L. Pedaliaceae. Sesame.

'Pratap'. Cultivated in Kota district, Rajasthan State. Matures in 100 days, seed white, high oil content.

347848. Secale cereale L. Gramineae. Rye.

From South Africa. Seed presented by Department of Agricultural Services, Division of Seed Control, Pretoria. Received March 18, 1970.

'Varnerog' (M67/174).

347849. Trifolium semipilosum Fresen. Leguminosae.

From Australia. Seed presented by Commonwealth Scientific and Industrial Research Organization, Division of Plant Industry, Plant Introduction Section, Canberra. Received March 20, 1970.

C.P.I. 19433.

347850 to 348778. Triticum spelta L. Gramineae. Spelt.

From Switzerland. Seed presented by G. Popow, Swiss Federal Research Station for Agronomy, Zurich-Reckenholz. Received January 29, 1970.

Guggisberg region, Bern Canton.

347850. 69Z6.1. 'Altgold'.
347851. 69Z6.2.
347852. 69Z6.3.
347853. 69Z6.4.
347854. 69Z6.5.
347855. 69Z6.6.
347856. 69Z6.7.
347857. 69Z6.8.
347858. 69Z6.9.
347859. 69Z6.10.
347860. 69Z6.11.
347861. 69Z6.12.
347862. 69Z6.13.
347863. 69Z6.14.
347864. 69Z6.15.
347865. 69Z6.16.
347866. 69Z6.17.
347867. 69Z6.18.
347868. 69Z6.19.
347869. 69Z6.20.
347870. 69Z6.21.
347871. 69Z6.22.
347872. 69Z6.23.
347873. 69Z6.24.
347874. 69Z6.25.
347875. 69Z6.27.
347876. 69Z6.28.
347877. 69Z6.29.
347878. 69Z6.30.
347879. 69Z6.31.
347880. 69Z6.32.
347881. 69Z6.33.
347882. 69Z6.34.
347883. 69Z6.35.
347884. 69Z6.36.
347885. 69Z6.37.
347886. 69Z6.38.
347887. 69Z6.39.
347888. 69Z6.40.
347889. 69Z6.41.
347890. 69Z6.42.
347891. 69Z6.43.
347892. 69Z6.44.
347893. 69Z6.45.
347894. 69Z6.46.
347895. 69Z6.47.
347896. 69Z6.48.
347897. 69Z6.49.
347898. 69Z6.50.
347899. 69Z6.52.
347900. 69Z6.53.
347901. 69Z6.54.
347902. 69Z6.55.
347903. 69Z6.56.
347904. 69Z6.57.
347905. 69Z6.58.
347806. 69Z6.59.
347907. 69Z6.60.
347908. 69Z6.61.
347909. 69Z6.62.
347910. 69Z6.63.
347911. 69Z6.64.
347912. 69Z6.65.

Napf region.

347913. 69Z6.66.
347914. 69Z6.67.
347915. 69Z6.68.
347916. 69Z6.69.
347917. 69Z6.70.
347918. 69Z6.71.
347919. 69Z6.72.
347920. 69Z6.73.
347921. 69Z6.74.
347922. 69Z6.75.
347923. 69Z6.77.
347924. 69Z6.78.
347925. 69Z6.79.
347926. 69Z6.80.
347927. 69Z6.81.
347928. 69Z6.82.

347850 to 348778—Continued

347929. 69Z6.83.
347930. 69Z6.84.
347931. 69Z6.85.
347932. 69Z6.86.
347933. 69Z6.87.
347934. 69Z6.88.
347935. 69Z6.89.
347936. 69Z6.90.
347937. 69Z6.91.
347938. 69Z6.92.
347939. 69Z6.93.
347940. 69Z6.94.
347941. 69Z6.95.
347942. 69Z6.96.
347943. 69Z6.97.
347944. 69Z6.98.
347945. 69Z6.99.
347946. 69Z6.100.
347947. 69Z6.102.
34794S. 69Z6.103.
347949. 69Z6.104.
347950. 69Z6.105.
347951. 69Z6.106.
347952. 69Z6.107.
347953. 69Z6.108.
347954. 69Z6.109.
347955. 69Z6.110.
347956. 69Z6.111.
347957. 69Z6.112.

Mittleland region, Bern Canton.

347958. 69Z6.113.
347959. 69Z6.114.
347960. 69Z6.115.
347961. 69Z6.116.
347962. 69Z6.117.
347963. 69Z6.118.
347964. 69Z6.119.
347965. 69Z6.120.
347966. 69Z6.121.
347967. 69Z6.122.
347968. 69Z6.123.
347969. 69Z6.124.
347970. 69Z6.125.
347971. 69Z6.127.
347972. 69Z6.128.
347973. 69Z6.129.
347974. 69Z6.130.
347975. 69Z6.131.
347976. 69Z6.132.
347977. 69Z6.133.
347978. 69Z6.134.
347979. 69Z6.135.

Toss region, Zurich Canton.

347980. 69Z6.136.
347981. 69Z6.137.
347982. 69Z6.138.
347983. 69Z6.139.
347984. 69Z6.140.
347985. 69Z6.141.
347986. 69Z6.142.
347987. 69Z6.143.
347988. 69Z6.144.
347989. 69Z6.145.
347990. 69Z6.146.
347991. 69Z6.147.
347992. 69Z6.148.
347993. 69Z6.149.
347994. 69Z6.150.
347995. 69Z6.152.
347996. 69Z6.153.
347997. 69Z6.154.
347998. 69Z6.155.
347999. 69Z6.156.
348000. 69Z6.157.
348001. 69Z6.158.
348002. 69Z6.159.
348003. 69Z6.160.
348004. 69Z6.161.
348005. 69Z6.162.
348006. 69Z6.163.
348007. 69Z6.164.
348008. 69Z6.165.
348009. 69Z6.166.
348010. 69Z6.167.
348011. 69Z6.168.
348012. 69Z6.169.

347850 to 348778—Continued

348013. 69Z6.170.
348014. 69Z6.171.
348015. 69Z6.172.
348016. 69Z6.173.
348017. 69Z6.174.
348018. 69Z6.175.
348019. 69Z6.177.
348020. 69Z6.178.
348021. 69Z6.179.
Bauland, Germany.
348022. 69Z6.180.
348023. 69Z6.181.
348024. 69Z6.182.
348025. 69Z6.183.
348026. 69Z6.184.
348027. 69Z6.185.
348028. 69Z6.186.
348029. 69Z6.187.
348030. 69Z6.188.
348031. 69Z6.189.
348032. 69Z6.190.
348033. 69Z6.191.
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347850 to 348778—Continued

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347850 to 348778—Continued

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Eifel, Germany.
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347850 to 348778—Continued

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348300. 69Z6.469.

Ardennen, Belgium.

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347850 to 348778—Continued

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Asturien, northern Spain.

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347850 to 348778—Continued

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347850 to 348778—Continued

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347850 to 348778—Continued

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347850 to 348778—Continued

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348727. 69Z6.912.
348728. 69Z6.913.
348729. 69Z6.914.
348730. 69Z6.915.
348731. 69Z6.916.
348732. 69Z6.917.
348733. 69Z6.918.
348734. 69Z6.919.
348735. 69Z6.920.
348736. 69Z6.921.
348737. 69Z6.922.
348738. 69Z6.923.
348739. 69Z6.924.
348740. 69Z6.925.
348741. 69Z6.927.
348742. 69Z6.928.
348743. 69Z6.929.
348744. 69Z6.930.
348745. 69Z6.931.
348746. 69Z6.932.
348747. 69Z6.933.
348748. 69Z6.934.
348749. 69Z6.935.
348750. 69Z6.936.
348751. 69Z6.937.
348752. 69Z6.938.
348753. 69Z6.939.
348754. 69Z6.940.
348755. 69Z6.941.
348756. 69Z6.942.
348757. 69Z6.943.
348758. 69Z6.944.
348759. 69Z6.945.
348760. 69Z6.946.
348761. 69Z6.947.
348762. 69Z6.948.
348763. 69Z6.949.
348764. 69Z6.950.
348765. 69Z6.952.
348766. 69Z6.953.
348767. 69Z6.954.
348768. 69Z6.955.
348769. 69Z6.956.
348770. 69Z6.957.
348771. 69Z6.958.
348772. 69Z6.959.
348773. 69Z6.960.
348774. 69Z6.961.
348775. 69Z6.962.
348776. 69Z6.963.
348777. 69Z6.964.
348778. 69Z6.965.

348779 to 348852. Oryza sativa L. Gramineae.

From Philippines. Seed received from the International Rice Research Institute, Los Banos, and grown in 1969 at the Imperial Valley Research Station, El Centro, Calif. Received March 6, 1970.

348779. IV 7. IR510–15–1–1–2–1. FF36 × B583A1–4–2.

348780. IV 408. IR568–20–1–1. Yukara × TN1.

348781. IV 421. IR568–20–4–3. Yukara × TN1.

348782. IV 410. IR568–20–11–3. Yukara × TN1.

348783. IV 411. IR666–B–4–1. IR8 × Yukara.

348784. IV 213. IR667–1–66–3–3–2. IR8 × (Yukara × T(N)1).

348785. IV 219. IR667–39–1–1–2. IR8 × (Yukara × T(N)1).

348786. IV 226. IR667–80–6–1–2. IR8 × (Yukara × T(N)1).

348787. IV 227. IR667–80–6–1–3. IR8 × (Yukara × T(N)1).

348788. IV. 236. IR667–98–2–3–2. IR8 × (Yukara × T(N)1).

348789. IV 237. IR667–98–2–3–3. IR8 × (Yukara × T(N)1).

348790. IV 263. IR781–41–3–1–1. IR8/2 × (Yukara × TN1).

348791. IV 269. IR781–92–2–2–1. IR8/2 × (Yukara × TN1).

348792. IV 277. IR781–115–2–3–2. IR8/2 × (Yukara × TN1).

348793. IV 286. IR781–138–1–1–1. IR8/2 × (Yukara × TN1).

348794. IV 287. IR781–138–1–3–2. IR8/2 × (Yukara × TN1).

348795. IV 424. IR781–146–3–3. IR8/2 × (Yukara × TN1).

348796. IV 241. IR781–419–2–2. IR8/2 × (Yukara × TN1).

348797. IV 242. IR781–420–1–2. IR8/2 × (Yukara × TN1).

348798. IV 251. IR781–497–2–3. IR8/2 × (Yukara × TN1).

348799. IV 257. IR781–578–1. IR8/2 × (Yukara × TN1).

348800. IV 311. IR781–B4–384–3–2–1. IR8/2 × (Yukara × TN1).

348801. IV 1. IR800–9–3–2. (FF36 × Ch242) × Ch242).

348802. IV 2. IR800–17–1–3. (FF36 × Ch242) × Ch242.

348803. IV 359. IR934–210–3. IR8/3 × (Yukara × T(N)1).

348804. IV 362. IR934–234–2. IR8/3 × (Yukara × T(N)1).

348805. IV 367. IR934–242–1. IR8/3 × (Yukara × T(N)1).

348806. IV 374. IR934–298–1. IR8/3 × (Yukara × T(N)1).

348807. IV 397. IR934–529–1. IR8/3 × (Yukara × T(N)1).

348808. IV 404. IR934–558–3. IR8/3 × (Yukara × T(N)1).

348809. IV 117F3. IR1310–B2–28. (Palkweng × IR8) × [IR8/2 × (Yukara × T(N)1)].

348810. IV 28. IR1316–16. Jinheung/2 × IR262–43–8–11.

348811. IV 29. IR1316–19. Jinheung/2 × IR262–43–8–11.

348812. IV 33. IR1317–14. Jinheung × IR262–43–8–11/2.

348813. IV 36. IR1317–39. Jinheung × IR262–43–8–11/2.

348814. IV 38. IR1317–74. Jinheung × IR262–43–8–11/2.

348815. IV 40. IR1317–82. Jinheung × IR262–43–8–11/2.

348816. IV 42. IR1317–87. Jinheung × IR262–43–8–11/2.

348779 to 348852—Continued

348817. IV 48. IR1317–142. Jinheung × IR262–43–8–11/2.
348818. IV 51. IR1317–146. Jinheung × IR262–43–8–11/2.
348819. IV 52. IR1317–147. Jinheung × IR262–43–8–11/2.
348820. IV 53F_3. IR1317–150. Jinheung × IR262–43–8–11/2.
348821. IV 55. IR1317–155. Jinheung × IR262–43–8–11/2.
348822. IV 56. IR1317–158. Jinheung × IR262–43–8–11/2.
348823. IV 57. IR1317–160. Jinheung × IR262–43–8–11/2.
348824. IV 58. IR1317–162. Jinheung × IR262–43–8–11/2.
348825. IV 59. IR1317–171. Jinheung × IR262–43–8–11/2.
348826. IV 61. IR1317–176. Jinheung × IR262–43–8–11/2.
348827. IV 64. IR1317–190. Jinheung × IR262–43–8–11/2.
348828. IV 65. IR1317–201. Jinheung × IR262–43–8–11/2.
348829. IV 66. IR1317–202. Jinheung × IR262–43–8–11/2.
348830. IV 68. IR1317–206. Jinheung × IR262–43–8–11/2.
348831. IV 84. IR1317–313. Jinheung × IR262–43–8–11/2.
348832. IV 73. IR1317–228. Jinheung × IR262–43–8–11/2.
348833. IV 93. IR1317–361. Jinheung × IR262–43–8–11/2.
348834. IV 94. IR1317–364. Jinheung × IR262–43–8–11/2.
348835. IV 99. IR1317–385. Jinheung × IR262–43–8–11/2.
348836. IV 101. IR1317–386. Jinheung × IR262–43–8–11/2.
348837. IV 102. IR1317–392. Jinheung × IR262–43–8–11/2.
348838. IV 103. IR1317–394. Jinheung × IR262–43–8–11/2.
348839. IV 104. IR1317–396. Jinheung × IR262–43–8–11/2.
348840. IV 105. IR1317–400. Jinheung × IR262–43–8–11/2.
348841. IV 107. IR1317–406. Jinheung × IR262–43–8–11/2.
348842. IV 21. IR1321–12. (Jinheung × IR262–43–8–11) × Senbon Asahi.
348843. IV 22. IR1321–14. (Jinheung × IR262–43–8–11) × Senbon Asahi.
348844. IV 24. IR1321–19. (Jinheung × IR262–43–8–11) × Senbon Asahi.
348845. IV 133. IR1325–B1–16. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × T(N)1)].
348846. IV 140. IR1325–B1–27. (Jinheung × IR262–43–8–11) × [IRS/2 × (Yukara × T(N)1)].
348847. IV 148. IR1325–B1–41. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × T(N)1)].
348848. IV 188. IR1325–B2–188. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × T(N)1)].
348849. IV 193. IR1325–B2–198. (Jinheung × IR262–43–8–11) × IR8/2 × (Yukara × T(N)1).
348850. IV 199. IR1325–B2–213. (Jinheung × IR262–43–8–11) × IR8/2 × (Yukara × T(N)1).
348851. IV 201. IR1325–B2–215. (Jinheung × IR262–43–8–11) × IR8/2 × (Yukara × T(N)1).
348852. IV 202. IR1325–B2–217. (Jinheung × IR262–43–8–11) × IR8/2 × (Yukara × T(N)1).

348853 to 348882.

From Belgium. Seed presented by Plantentuin der Rijksuniversiteit, Ghent. Received February 11, 1970.

348853. ACAENA MYRIOPHYLLA Lindl. Rosaceae.

No. 950.

348854. ACONITUM VARIEGATUM L. Ranunculaceae. **Manchurian monkshood.**

No. 930.

348855. AGRIMONIA REPENS L. Rosaceae.

No. 951.

348856. ALCHEMILLA MOLLIS (Buser) Rothm. Rosaceae.

No. 952.

348857. ALCHEMILLA SERICATA Reichb.

No. 953.

348858. ALCHEMILLA SPLENDENS Christ ex Favrat.

No. 954.

348859. ALOPECURUS PRATENSIS L. Gramineae. **Meadow foxtail.**

No. 176.

348860. ANTHYLLIS VULNERARIA L. Leguminosae. **Kidneyvetch.**

No. 795.

348861. AQUILEGIA ALPINA L. Ranunculaceae. **Alpine columbine.**

No. 931.

348862. CYTISUS SCOPARIUS (L.) Leguminosae. **Scotch broom.**

No. 797.

348863. CYTISUS SUPINUS L. Leguminosae.

No. 798.

348864. DACTYLIS GLOMERATA L. Gramineae. **Orchardgrass.**

No. 180.

348865. ELYMUS ARENARIUS L. Gramineae. **European dunegrass.**

No. 183.

348866. FESTUCA OVINA L. Gramineae. **Sheep fescue.**

No. 184.

348867. HYPERICUM REPENS L. Guttiferae.

No. 749.

348868. LATHYRUS ALPESTRIS (Waldst. & Kit.) Kit. ex Celak. Leguminosae.

No. 806.

348869. LATHYRUS TUBEROSUS L.

No. 807.

348870. LATHYRUS VERNUS (L.) Bernh.

No. 808.

348871. MELILOTUS ALBA Desr. Leguminosae. **White sweetclover.**

No. 810.

348872. PHALARIS ARUNDINACEA L. Gramineae. **Reed canarygrass.**

No. 193.

348873. PHLEUM PRATENSE L. Gramineae. **Timothy.**

No. 195.

348853 to 348882—Continued

348874. RESEDA ALBA L. Resedaceae.

No. 949.

348875. RHYTIDOPHYLLUM TOMENTOSUM (L.) Mart. ex DC. Gesneriaceae.

No. 742.

348876. SANGUISORBA OFFICINALIS L. Rosaceae. **Burnet.**

No. 994.

348877. SESLERIA COERULEA Arduino. Gramineae.

No. 196.

348878. STREPTOCARPUS POLYANTHUS Hook. f. Gesneriaceae.

No. 743.

348879. TROLLIUS ASIATICUS L. Ranunculaceae.

No. 947.

348880. TROLLIUS EUROPAEUS L. **Common globeflower.**

No. 948.

348881. VICIA SATIVA L. Leguminosae. **Common vetch.**

No. 819.

348882. VICIA VILLOSA Roth **Hairy vetch.**

No. 820.

348883 to 348887.

From Australia. Seed presented by Commonwealth Scientific and Industrial Research Organization, Division of Plant Industry, Plant Introduction Section, Canberra. Received March 16, 1970.

348883 and 348884. TRIFOLIUM BATMANICUM Katznelson & Worley Leguminosae.

348883. C.P.I. 34545. Turkey.

348884. C.P.I. 45758. Turkey.

348885. TRIFOLIUM CHERLERI L.

'Yamina'. C.P.I. 14926. Introduced to Australia from Israel, 1951.

348886. TRIFOLIUM HIRTUM All. **Rose clover.**

'Hykon'.

348887. TRIFOLIUM SPUMOSUM L.

C.P.I. 30450. Introduced to Australia as P.I. 180896 from the United States, 1961. Originally collected in Turkey, 1948.

348888 to 348891. VITIS VINIFERA L. Vitaceae. **European grape.**

From Romania. Cuttings presented by the Institutul de Cercetari pentru Viticultura si Vinificatie V. Calugareasca, Praha. Received March 26, 1970.

348888. 'Feteasca alba'.

348889. 'Feteasca Neagra'.

348890. 'Grassa de Cothari'.

348891. 'Negru Vertos'.

348892 to 348896.

From Australia. Seed presented by Commonwealth Scientific and Industrial Research Organization, Division of Plant Industry, Plant Introduction Section, Canberra. Received March 20, 1970.

348892 to 348895. DICHANTHIUM ANNULATUM (Forsk.) Stapf Gramineae.

348892. C 1273.

348893. S 1274.

348894. C 1276.

348895. C 1295.

348892 to 348896—Continued

348896. DACTYLOCTENIUM RADULANS Beauv. Gramineae.
W 780.

348897 to 348903.

From Philippines. Seed presented by T. T. Chang, International Rice Research Institute, Los Banos, Laguna. Received January 23, 1970.

348897 to 348902. ORYZA SATIVA L. Gramineae.

348897. 'Boro I' (IRRI 8358). India.

348898. 'T 141' (IRRI 64). India.

348899. IR 579–48–1–2 (IR8 × Takudan). Early.

348900. IR 579–48–1–3–1 (IR8 × Takudan). Early.

348901. IR 579–48–2–1–3 (IR8 × Takudan). Early.

348902. IR 579–48–2–2 (IR8 × Takudan). Early.

348903. ORYZA sp.
CRRI 101173. India.

348904 to 348913. ORYZA SATIVA L. Gramineae.

From Union of Soviet Socialist Republics. Seed presented by the N. Vavilov Institute of Plant Industry, Leningrad. Received March 5, 1970.

348904. 3599. 'Uz ROS 275'. Uzbekistan.

348905. 3639. 'Uz ROS 269'. Uzbekistan.

348906. 3672. 'Dubovskian 129'. Krasnodar.

348907. 3770. 'Uzbekistan 2'. Uzbekistan.

348908. 3778. 'Az ROS 637'. Azerbaijan.

348909. 3780. 'Sadri Massalinskiy'. Azerbaijan.

348910. 3781. 'Ambarby White'. Azerbaijan.

348911. 3819. 'Santahezskian 52'. Primorsk.

348912. 3946. 'Alakulian'. Kazakhstan.

348913. 4767. 'Uz ROS 59'. Uzbekistan.

348914 to 348917.

From United States. Seed presented by Regional Plant Introduction Station, Pullman, Washington. Received March 6, 1970.

348914 and 348915. CARTHAMUS TINCTORIUS L. Compositae. **Safflower.**

348914. UC 69–27 (W–67). P. F. Knowles, California.

348915. UC 69–29. N. J. Bernard, Moose Jaw, Canada.

348916. ELYMUS SIBIRICUS L. Gramineae. **Wildrye.**
'Alaskan Siberian'. Matanuska Valley, Alaska.

348917. EUROTIA LANATA (Pursh) Moq. Chenopodiaceae. **Winterfat.**
Lind Experiment Station, Lind, Washington. Collected from Wahluke Slope, Limy Range site.

348918. VICIA FILICAULIS Webb & Berth. Leguminosae.

From Canary Islands. Seed collected by G. Kunkel, Camino Viejo. Received March 12, 1970.

BN 19174–68. Tirujana. Elevation 530 m. 1968.

348919. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

From Australia. Seed presented by H. J. Sims, Department of Agriculture, Melbourne, Victoria. Received March 6, 1970.

'Red Fife'.

348920. ASTRAGALUS sp. Leguminosae.

From Libya. Seed collected by P. F. Knowles, Department of Agronomy, University of California, Davis. Received July 1, 1969.

W–66. Three km. south of road fork at south edge of Garian.
Yellow flowers. Persistent under very dry conditions and severe grazing. Seed very small, olive green.

348921. CHIONACHE KOENIGII (Spreng.) Thwaites Gramineae. **Pearlberry.**

From India. Seed presented by H. B. Singh, Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received March 16, 1970.

Poona area.

348922 and 348923. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

From Rhodesia. Seed presented by I. B. Edwards, Salisbury Research Station, Causeway, Salisbury. Received March 17, 1970.

348922. 'S 948A5A3'. Dwarf.

348923. 'S 1118A2A0'. Dwarf.

348924 to 348936.

From New Guinea. Seed collected by H. F. Winters and J.J. Higgins. Plant Science Research Division. Plant Industry Station, Beltsville, Maryland. Received March 12, 1970.

348924. BOTHRIOCHLOA INTERMEDIA (R.Br.) A. Camus Gramineae. **Australian bluestem.**

319. On hill just beyond Markham River bridge near Lae. Grass to 60 cm. tall. Wild.

348925. COELORACHIS ROTTBOELLIOIDES (R.Br.) A. Camus Gramineae.

316. On hill just beyond Markham River bridge near Lae. Grass to 1.2 m. tall. Wild.

348926. IPOMOEA sp. Convolvulaceae.

324. Lae. Weed growing over hedge. Herbaceous vine, flowers rose. 1.3 cm. diameter. Wild.

348927. ISCHAEMUM sp. Gramineae.

318 On hill just beyond Markham River bridge near Lae. Grass to 1 m. tall. Wild.

348928. OPHIUROS TONGCALINGII (Elmer) Henr. Gramineae.

317. On hill beyond Markham River bridge near Lae. Tall grass. Wild.

348929. PASPALUM CONJUGATUM Berg. Gramineae.

314. Along Markham Road near Lae. Grass to 60 cm. tall. Wild.

348930. PASPALUM ORBICULARE G. Forst.

313. Along Markham Road near Lae. Plant to 60 cm. tall. Wild.

348931. PASPALUM sp.

315. Roadside grass along Markham Road near Lae. Wild.

348924 to 348936—Continued

348932. POLYTOCA MACROPHYLLA Benth. Gramineae.

323. Along Markhanm Road near Lae. Herbaceous plant to 2 m. tall, resembling *Zea mays*. Wild.

348933. ROTTBOELLIA EXALTATA L.f. Gramineae.

312. Along Markham road near Lae. Plant to 1 m. tall. Wild.

348934. SORGHUM NITIDUM (Vahl) Pers. Gramineae. **Sorghum.**

321. Hill beyond Markham Bridge. Plant 1.2 m. tall; inflorescence forms a panicle held well above foliage. Wild.

348935 and 348936. TEPHROSIA VOGELII Hook. f. Leguminosae.

348935. 348. Orgenang Village. Elevation 1,530 m. Shrub to 2.4 m. tall, flowers white, pinnate leaves. Cultivated.

348936. 498. Along road from Kainanti-Goraka. Herb to 1.8 m. tall; flowers white. Wild.

348937 to 348969.

From Australia. Seed presented by Commonwealth Scientific and Industrial Research Organization, Division of Plant Industry, Plant Introduction Section, Canberra. Received March 16, 1970.

348937 to 348951. STYLOSANTHES GUYANENSIS (Aubl.) Swartz Leguminosae.

348937. C.P.I. 9215.

348938. C.P.I. 11493. Paraguay. Fine stems.

348939. C.P.I. 18750(B). Paraguay.

348940. C.P.I. 33706. Mexico.

348941. C.P.I. 33978. Costa Rica.

348942. C.P.I. 34000. Costa Rica.

348943. C.P.I. 34906. Brazil.

348944. C.P.I. 34911. Brazil.

348945. C.P.I. 34920. Brazil.

348946. C.P.I. 34927. Brazil.

348947. C.P.I. 37205.

348948. C.P.I. 38369.

348949. C.P.I. 38754.

348950. C.P.I. 40255. Bolivia.

348951. C.P.I. 40297. Bolivia.

348952 to 348955. STYLOSANTHES HAMATA (L.) Taub.

348952. C.P.I. 33205. Guadeloupe.

348953. C.P.I. 37037. Dominican Republic.

348954. C.P.I. 38842.

348955. C.P.I. 40264(a). Brazil.

348956 to 348958. STYLOSANTHES SCABRA Vog.

348956. C.P.I. 34925. Brazil.

348957. C.P.I. 40289. Brazil.

348958. C.P.I. 40292. Brazil.

348937 to 348969—Continued

348959 to 348963. STYLOSANTHES SUBSERICEA Blake

348959. C.P.I. 33942. Mexico.

348960. C.P.I. 37274.

348961. C.P.I. 38610. Mexico.

348962. C.P.I. 41217. Mexico.

348963. Q 8435. Mexico.

348964 to 348969. STYLOSANTHES VISCOSA Sw.

348964. C.P.I. 33436. French Guiana.

348965. C.P.I. 33831. Mexico.

348966. C.P.I. 33904.

348967. C.P.I. 33941. Mexico.

348968. C.P.I. 40264(b).

348969. C.P.I. 40302. Brazil.

348970 to 348973.

From France. Seed presented to the National Arboretum, Washington, D.C. by the Jardin Botanique, Universite de Besancon, Doubs. Received March 20, 1970.

348970. TILIA CORDATA Mill. Tiliaceae.

348971. TILIA MONGOLICA Maxim. **Mongolian linden.**

348972. TILIA PLATYPHYLLOS Scop. **Bigleaf European linden.**

348973. TILIA TOMENTOSA Moench **Silver linden.**

348974 to 348979. ARACHIS HYPOGAEA L. Leguminosae. Peanut.

From India. Seed presented by D. P. Srivastava, Agricultural Research Institute, Kanke, Ranchi, Bihar State. Received March 20, 1970.

348974. 'Big Japan'.

348975. 'Early Runner'.

348976. 'HG–4'.

348977. 'HG–10'.

348978. 'K–17'.

348979. 'Small Spanish'.

348980 to 348983. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From India. Seed presented by H. B. Singh, Indian Agricultural Research Institute, Division of Plant Introduction, New Delhi. Received March 24, 1970.

348980. 'Lerma Rojo'. (Amber).

348981. 'Kalyansona Se–1'. Mutant for increased rust resistance.

348982. 'Kalyansona Se–2'. Mutant for increased rust resistance.

348983. 'Sherbati Sonora'.

348984. ROCHELIA DISPERMA (L.) Wettst. Boraginaceae.

From Turkey. Seed presented by Osman Tosun, University of Ankara, Bitki Yetistirme ve Islahi Kurusu, Ankara, under Public Law 480 Project A22–CR–1. Received March 26, 1970.

1136. Annual, diffusely branching. Sandy places and fields. Matures April and May.

348985. CYNOGLOSSUM LANCEOLATUM, Forsk. Boraginaceae.

From Pakistan. Seed presented by E. Nasir, Gordon College, Rawalpindi, under Public Law 480 Project A17–CR–5. Received March 26, 1970.

1122. Annual, small erect, branches widely spreading, white flowers in racemes. Open, waste places. Elevation to 2,100 m.

348986. CALENDULA TOMENTOSA Desf. Compositae.

From Spain. Seed presented by Francisco Regueral, Instituto Nacional de Investigaciones Agronomicas. Madrid, under Public Law 480 Project E25–CR–11. Received March 26, 1970.

Perennial herb; heads relatively small. Both littoral and interior; growing in rocky places. Matures March.

348987. CENTRANTHUS RUBER (L.) DC. Valerianaceae.

From Canada. Seed presented by C. Y. Hopkins, Division of Pure Chemistry, National Research Council, Ottawa. Received March 26, 1970.

Perennial, erect; 3 to 8 dm., flowers in terminal panicled cymes; compact, floriferous bushy plant.

348988. ERLANGEA TOMENTOSA S. Moore Compositae.

From Uganda. Seed collected by Quentin Jones, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland. Received March 26, 1970.

6996. Seven miles West Fort Portal near Bukuka, Toro District. Perennial, shrubby, to 1 m., indeterminate. Disturbed road margins. Matures November.

348989. VERNONIA ADOENSIS Sch.-Bip. ex Walp. Compositae.

From Ethiopia. Seed collected by Robert E. Perdue, Jr., Plant Science Research Division, Plant Industry Station, Beltsville, Maryland. Received March 26, 1970.

9614 A. Collected in Ghibi Valley. Perennial, herbaceous, from large root crown; stems to 2.5 m. Heads often cymosely arranged. Matures February.

348990. VERNONIA CAMPANEA S. Moore Compositae.

From Kenya. Seed collected by Robert E. Perdue, Jr., Plant Science Research Division, Plant Industry Station, Beltsville, Maryland. Received March 26, 1970.

9353. Collected in Nyanza Province, Kericho District. Plant slender, to 2.5 m. Matures December.

348991 to 348993. SACCHARUM (hybrid) Gramineae. **Sugarcane.**

From Indonesia. Cuttings presented by Balai Penjelidikan, Perusahaan Perkebunan Gula, Pasuruan, Djawa, Timus. Received March 31, 1970.

348991. Ps. 1.

348992. Ps. 6.

348993. Ps. 8.

348994 to 349030.

From Yugoslavia. Seed collected by T. Dimitrovski, Faculty of Agriculture and Forestry, University of Skopje, Skopje, under Public Law 480 Project E30–CR–93. Received February 13, 1970.

348994. CRATAEGUS MONOGYNA Jacq. Rosaceae. **English hawthorn.**

Mavrovo. 1960.

348995. CRATAEGUS ORIENTALIS Bieb. **Silver hawthorn.**

No locality data. 1969.

348996. MALUS FLORENTINA (Zucc.) Schneid. Rosaceae. **Florentine crabapple.**

Skopje. 1969.

348997 to 349001. MALUS SYLVESTRIS Mill. Rosaceae. **Apple.**

348997. 1–68. Ilino-Resen.

348998. 1–69. Bolno.

348999. 1–69. Leva Reka.

349000. 2–69. Stara Kicinica.

349001. 10–69. Ilino-Resen.

348994 to 349030—Continued

349002. PRUNUS AVIUM L. Rosaceae. **Sweet cherry.**

1–69. Velgosti.

349003 to 349005. PRUNUS CERASIFERA Ehrh. Rosaceae. **Myrobalan plum.**

349003. 1–69. T. Veles.

349004. 2–69. Pelister.

349005. 5–69. Trnovo.

349006. PRUNUS CERASUS L. **Sour cherry.**

3–69. Pelister.

349007 to 349009. PRUNUS COCOMILIA Ten. **Italian plum.**

349007. 2–69. Nikiforovo.

349008. 3–69. Mavrovo.

349009. 5–69. Mavrovo.

349010 to 349014. PRUNUS MAHALEB L. **Mahaleb cherry.**

349010. 2–69. Gornicet.

349011. 2–69. Pletvar.

349012. 3–69. Demir Kapija.

349013. 5–69. Gornicet.

349014. 7–69. Gornicet.

349015. PRUNUS PROSTRATA Labil **Mountain cherry.**

Galicica. 1969.

349016. PRUNUS TENELLA Batsch **Russian almond.**

Skopje. 1969.

349017 to 349020. PRUNUS WEBBII (Spach) Vierhapper

349017. 1–69. Demir Kapija.

349018. 2–69. Demir Kapija.

349019. 3–69. Demir Kapija.

349020. 4–69. Demir Kapija.

349021 to 349025. PYRUS AMYGDALIFORMIS Vill. Rosaceae. **Almond pear.**

349021. 2–69. Nikolic.

349022. 4–69. Dojran.

349023. 4–69. Rosoman.

349024. 5–69. Raec.

349025. 32–69. Klisura.

349026 to 349030. PYRUS PYRASTER L. ex Muenchhausen

349026. 1–69. Izvor.

349027. 2–69. Leva Reka.

349028. 2–69. Mavrovo.

349029. 4–69. Leva Reka.

349030. 5–69. Leva Reka.

349031 to 349034. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

From Netherlands. Seed presented by A.C. Zeven, Institute of Plant Breeding, Wageningen. Received March 24, 1970.

349031. 'Felix' × 'Tom Pouce Barbu Rouge'. F_3. Winter type, segregating for height.

349032. 'Orca' × 'Tom Pouce Barbu Rouge.' F_3. Segregating for winter-spring type and height.

349033. 'Tom Pouce Barbu Rouge'. Winter.

349034. 'Tom Pouce Blanc'. Winter.

349035 to 349061.

From Union of Soviet Socialist Republics. Seed presented by the N. Vavilov All-Union Institute of Plant Industry, Leningrad. Received March 24, 1970.

349035. AEGILOPS CYLINDRICA Host Gramineae. **Jointed goatgrass.**

K–227. Armenia. Winter.

349035 to 349061—Continued

349036. AEGILOPS LORENTII Hochst.
K–130. Azerbaijan. Winter.

349037. AEGILOPS TAUSCHII Coss.
K–115. Azerbaijan. Winter.

349038. AEGILOPS TRIARISTATA Willd.
K–73. Azerbaijan. Winter.

349039. AEGILOPS TRIUNCIALIS L. **Barb goatgrass.**
K–219. Georgia. Winter.

349040 to 349042. TRITICUM CARTHLICUM Nevski Gramineae.

349040. K–13810. Armenia. Spring.

349041. K–26828. Daghestan. Spring.

349042. K–38526. 'Diva 9/14'. Georgia. Spring.

349043 to 349046. TRITICUM DICICCON Schrank.

349043. K–6388. Georgia. Spring. (2n=28).

349044. K–13646. Armenia. Spring.

349045. K–23917. Daghestan. Spring.

349046. K–43848. Georgia. Spring.

349047 and 349048. TRITICUM DURUM Desf. **Durum wheat.**

349047. K–35902. 'Horanka'. Azerbaijan. Spring.

349048. K–41853. 'Zogal-bugda'. Azerbaijan. Spring.

349049. TRITICUM MONOCOCCUM L.
K–23650. Armenia. Spring (2n=14).

349050. TRITICUM PALAEOCOLCHICUM Men.
K–28162. Georgia. Winter. (2n=28).

349051 and 349052. TRITICUM POLONICUM L. **Polish wheat.**

349051. K–39297. Georgia. Spring.

349052. K–42758. Azerbaijan. Spring.

349053 and 349054. TRITICUM TIMOPHEEVII (Zhuk.) Zhuk.

349053. K–29548. Georgia. Spring. (2n=28).

349054. K–46587. Georgia. Winter. (2n=28).

349055. TRITICUM TURANICUM Jakubz.
K–23896. Daghestan. Spring.

349056 to 349060. TRITICUM TURGIDUM L. **Poulard wheat.**

349056. K–9276. Armenia. 'Cudesnaja blagodat'. Spring.

349057. K–13448. Georgia. Semiwinter.

349058. K–15325. Azerbaijan. Semiwinter.

349059. K–16786. 'Sary-budga'. Azerbaijan. Semiwinter.

349060. K–40701. Azerbaijan. Semiwinter.

349061. TRITICUM sp.
K–33870. Armenia. (2n=14). Winter.

349062 to 349231.

From United States. Seed collected by R. L. Taylor, agronomist, Agriculture Experiment Station, College, Alaska. Received November 19, 1969.

349062 to 349159. FESTUCA RUBRA L. Gramineae. **Red fescue.**

349062. 338. Soldotna. Wild. 1957.

349063. 341. Ruby. Wild. 1957.

349062 to 349231—Continued

349062 to 349159—Continued

349064. 342. Experimental Farm, near Garden. Cultivated 1957.

349065. 343. Experimental Farm, near Garden. Cultivated 1957.

349066. 344. Experimental Farm, near Garden. Cultivated 1957.

349067. 345. Eklutna Valley. Wild. 1957.

349068. 1659. Mile 160.5, Taylor Highway. Wild. 1959.

349069. 1660. Mile 160.4, Taylor Highway. Wild. 1959.

349070. 1662. 0.2 miles from Mile 463, Richardson Highway. Wild. 1959.

349071. 1669. Mile 97.3. Nebesna Road. Wild. 1959.

349072. 1671. Mile 95.1. Nebesna Road. Wild. 1959.

349073. 1674. Mile 160.4, Taylor Highway. Wild. 1959.

349074. 1675. Mile 160.5, Taylor Highway. Wild. 1959.

349075. 1677. Mile 160.5, Taylor Highway. Wild. 1959.

349076. 1691. Mile 177.8, Richardson Highway. Wild. 1959.

349077. 2100. Polychrome Ridge, McKinley Park. Wild. 1959.

349078. 2101. Polychrome Ridge, McKinley Park. Wild. 1959.

349079. 60–417. Fort Yukon. Wild. 1960.

349080. 60–418. Fort Yukon. Cultivated. 1960. Very variable in color and growth type; leaf width above average, good turf.

349081. 60–422. Napaimiut. Cultivated. 1960. Plants larger than average, broad leaf type, good turf.

349082. 60–423. Unalakleet. Cultivated. 1960. Fairly large plants, purple tinge, good turf.

349083. 60–425. Fort Yukon. Wild. 1960.

349084. 60–429A. Fort Yukon. Cultivated. 1960. Small plant, good turf.

349085. 60–430A. Hope Beach. Wild. 1960.

349086. 60–431. Fort Yukon. Cultivated. 1960. Small plant, narrow leaves, fair turf.

349087. 60–432. Fort Yukon. Wild. 1960.

349088. 60–434A. Holy Cross. Wild. 1960.

349089. 60–445. Holy Cross. Cultivated. 1960. Fairly uniform, large, semidecumbent plant types, wide leaves, good turf.

349090. 60–450. Fort Yukon. Wild. 1960.

349091. 60–451. Fort Yukon. Cultivated. 1960. Plants variable in size, growth type and color; fair turf.

349092. 60–452. Fort Yukon. Wild. 1960.

349093. 60–466. Fort Yukon. Wild. 1960.

349094. 60–469. Holy Cross. Wild. 1960.

349095. 60–472. Napaimuit. Wild. 1960.

349096. 60–474. Napaimiut. Cultivated. 1960. Plants show good vigor, faded color, good turf.

349097. 61–1. Port Chilkoot. Wild. 1961.

349098. 61–2. Port Chilkoot. Wild. 1961.

349099. 61–3. Port Chilkoot. Wild. 1961.

349100. 61–4. Port Chilkoot. Wild. 1961.

349062 to 349231—Continued

349062 to 349159—Continued

349101. 61–7. Haines House, Haines. Wild. 1961.

349102. 61–9. Haines. Wild. 1961. Variable plant type, dark green, good turf.

349103. 61–27. Port Chilkoot Parade Grounds. Wild. 1961.

349104. 61–32. Port Chilkoot Parade Grounds. Wild. 1961.

349105. 61–38. Port Chilkoot Parade Grounds. Wild. 1961.

349106. 61–39. Haines. Cultivated. 1961. Very variable plant type, good turf.

349107. 61–40. Haines. Cultivated. 1961. Very variable plant type, good turf.

349108. 63–23. Middle Bay, Kodiak Island. Wild. 1963.

349109. 63–40. Mile 253, Richardson Highway. Wild. 1962.

Grow Bros. Ranch, Cottonwood Creek, Matanuska Valley. Cultivated. 1964.

349110. 64–2.

349111. 64–3.

349112. 64–4.

349113. 64–5.

349114. 64–6.

349115. 64–7.

349116. 64–8.

349117. 64–9.

349118. 64–10.

349119. 64–11.

349120. 64–12.

349121. 64–13.

349122. 64–14.

349123. 64–15.

349124. 64–16.

349125. 64–17.

349126. 64–18.

349127. 64–19. Above Kaltag on Yukon River. Wild. 1964.

349128. 64–20. Kaltag #1, 17 miles north of Kaltag on Yukon River opposite 7 Mile Island. Wild. 1964.

349129. 64–21. Kaltag #1, 17 miles north of Kaltag on Yukon River opposite 7 Mile Island. Wild. 1964.

349130. 64–22. Kaltag #2, 6 miles south of Nulato on Yukon River opposite north end of 9 Mile Island. Wild. 1964.

349131. 64–23. Kaltag #3, 8 miles north of Nulato on Yukon River opposite north end of Big Island. Wild. 1964.

349132. 64–24. Kaltag #3, 7 miles north of Nulato on Yukon River opposite north end of Big Island. Wild. 1964.

349133. 64–25. Kaltag #3, 7 miles north of Nulato on Yukon River opposite north end of Big Island. Wild. 1964.

349134. 64–26. Koyakuk Mountain, Yukon River. Wild. 1964.

349135. 64–27. Koyakuk Mountain, Yukon River. Wild. 1964.

349136. 64–28. Koyakuk Mountain, Yukon River. Wild. 1964.

349137. 64–29. Koyakuk Mountain, Yukon River. Wild. 1964.

349138. 64–30. Koyakuk Mountain, Yukon River. Wild. 1964.

349139. 64–31. Koyakuk Mountain, Yukon River. Wild. 1964.

349140. 66–84. Kasilof Road, near public library. Wild. 1966.

349141. 66–87. Sterling Highway, along road north of Ninilchik. Wild. 1966.

349142. 66–88. Sterling Highway, along road north of Ninilchik. Cultivated. 1966.

349062 to 349231—Continued

349062 to 349159—Continued

349143. 66–89. McCarthy. Wild. 1966. Dwarf type.

349144. 66–90. McCarthy. Wild. 1966. Dwarf type.

349145. 66–91. McCarthy. Wild. 1966. Dwarf type.

349146. 67–5. Skwentna, along airstrip. Wild. 1967.

349147. 67–11. Farewell, near river. Wild. 1967.

349148. 67–12. Farewell, near river. Wild. 1967.

349149. 67–14. Farewell, river bank. Wild. 1967.

349150. 67–16. Farewell, river bank. Wild. 1967.

349151. 67–40. Aniak, school yard. Wild. 1967.

349152. 67–45. St. Michael, airstrip walkway. Wild. 1967.

349153. 67–46. St. Michael, airstrip walkway. Wild. 1967.

349154. 67–50. St. Michael, airstrip walkway. Wild. 1967.

349155. 67–52–1. St. Michael. Wild. 1967.

349156. 67–52–3. St. Michael. Wild. 1967.

349157. 67–54. Stebbins, airstrip. Wild. 1967.

349158. 67–56. Stebbins, airstrip. Wild. 1967.

349159. 67–59. Anvik, airstrip. Wild. 1967.

349160 to 349204. POA PRATENSIS L. Gramineae. **Kentucky bluegrass.**

349160. 60–514. Stevens Village. Wild. 1960. Resistant to mildew and rust.

349161. 60–519A. McGrath. Wild. 1960. Resistant to mildew and rust.

349162. 60–525A. Hope. Cultivated. 1960. Plants variable, dark green, fair vigor.

349163. 60–549. Hope, near village. Wild. 1960. Resistant to mildew and rust.

349164. 60–551. Unknown. Cultivated. 1960. Good vigor, rust, good turf.

349165. 60–557. Hope, near village. Wild. 1960. Resistant to mildew and rust.

349166. 60–573. Hope, near village. Wild. 1960. Resistant to mildew and rust.

349167. 60–590. Mill Bay, Kodiak Island. Wild. 1960. Resistant to mildew and rust.

349168. 60–592. Rampart. Wild. 1960. Resistant to mildew and rust.

349169. 60–593. Holy Cross. Cultivated. 1960. Good vigor, fair spread, dark green, disease free, fair turf.

349170. 60–620. Polychrome Pass, McKinley Park. Wild. 1960.

349171. 60–630. Tanana. Wild. 1960.

349172. 60–646. Stony River. Wild. 1960. Resistant to mildew and rust.

349173. 61–77. Haines. Cultivated. 1961. Good color, good turf.

349174. 61–79. Haines. Cultivated. 1961. Dark green, rust, good turf.

349175. 61–80. Haines House, Haines. Wild. 1961. Dark green, spreading, good turf.

349176. 61–84. Haines House. Wild. 1961. Resistant to mildew and rust.

349177. 61–85. Haines House. Wild. 1961. Resistant to mildew and rust.

349178. 61–90. Port Chilkoot. Wild. 1961. Resistant to mildew and rust.

349062 to 349231—Continued

349160 to 349204—Continued

349179. 61–97. Mile 8, Mud Bay Road, from Haines. Wild. 1961. Dark green, good spread, disease free, excellent turf.

349180. 61–101. Mile 8, Mud Bay Road, Haines. Wild. 1961. Resistant to mildew and rust.

349181. 61–115. Haines, Cultivated. 1961. Very dark green, little spread, rust, fair turf.

349182. 61–117. Haines House, Haines. Wild. 1961. Resistant to mildew and rust.

349183. 61–118. Haines House, Haines. Wild. 1961. Resistant to mildew and rust.

349184. 61–119. Haines House, Haines. Wild. 1961. Resistant to mildew and rust.

349185. 61–124. Haines House, Haines. Wild. 1961. Resistant to mildew and rust.

349186. 61–125. Haines House, Haines. Wild. 1961. Resistant to mildew and rust.

349187. 61–126. Haines. Cultivated. 1961. Variable plant type, fair turf.

349188. 61–129. Haines. Cultivated. 1961. Good vigor, little spread, good turf.

349189. 64–38. Galena, airfield. Wild. 1964.

349190. 64–44. Galena, airfield near Wien Office. Wild. 1964.

349191. 64–47. Ruby Road, Mile 11. Wild. 1964

349192. 64–54. Ruby Road, Mile 11. Wild. 1964.

349193. 66–8. McCarthy. Wild. 1966. Single plant.

349194. 66–33. Long Lake, near McCarthy. Wild. 1966. Single plant.

349195. 66–37. Long Lake. Wild. 1966. Single plant.

349196. 66–41. McCarthy, River Road. Wild. 1966.

349197. 66–55. Breeden Field, Matanuska Valley. Cultivated. 1966.

349198. 66–56. DePriest Field, Matanuska Valley. Cultivated. 1966.

349199. 66–58. Little Susitna, bulk clonal collection. Wild. 1966.

349200. 66–60. Steese Highway, about 75 miles north of Fairbanks. Wild. 1966.

349201. 66–73. East Road, Homer. Cultivated. 1966. Dwarf type.

349202. 66–74. East Road, Homer. Cultivated. 1966.

349203. 713–417. Meade River. Wild. 1962.

349204. 713–2270. Umnak Island. Wild. 1962. Resistant to mildew and rust.

349205. FESTUCA RUBRA L. Gramineae. **Red fescue.**
713–2273. Experiment Station, Palmer. Cultivated. 1966.

349206 to 349231. POA PRATENSIS L. Gramineae. **Kentucky bluegrass.**

349206. 1692. Mile 177.8, Richardson Highway. Wild. 1959.

349207. 1859. Mile 12.9, Richardson Highway. Wild. 1959.

349208. 1900. Mile 160.4, Taylor Highway. Wild. 1959.

349209. 1913. Mile 160.3, Taylor Highway. Wild. 1959.

349210. 1986. Mile 137.8, Richardson Highway. Wild. 1959.

349062 to 349231—Continued

349206 to 349231—Continued

349211. 1989. Mile 137.8, Richardson Highway. Wild. 1959.
349212. 1995. Mile 115.0, Richardson Highway. Wild. 1959.
349213. 1996. Mile 115.0, Richardson Highway. Wild. 1959.
349214. 1997. Mile 115.0, Richardson Highway. Wild. 1959.
349215. 1998. Mile 115.0, Richardson Highway. Wild. 1959.
349216. 2000. Mile 115.0, Richardson Highway. Wild. 1959.
349217. 2016. Mile 172.7, Glenn Highway. Wild. 1959.
349218. 2018. Kenai. Wild. 1959.
349219. 2019. Kenai. Wild. 1959.
349220. 2020. Kenai. Wild. 1959.
349221. 2021. Kenai. Wild. 1959.
349222. 2022. Kenai. Wild. 1959.
349223. 2023. Kenai. Wild. 1959.
349224. 2030. Kenai beach. Wild. 1959.
349225. 2031. Kenai beach. Wild. 1959.
349226. 2032. Kenai beach. Wild. 1959.
349227. 2033. Peterson Home, Kenai. Wild. 1959.
349228. 2034. Peterson Home, Kenai. Wild. 1959.
349229. 2035. Peterson Home, Kenai. Wild. 1959.
349230. 2036. Peterson Home, Kenai. Wild. 1959.
349231. 2097. Polychrome Ridge, McKinley Park. Wild. 1959.

349232. HIBISCUS ESCULENTUS L. Malvaceae. **Okra.**

From Ghana. Seed presented by M. A. Adansi, Plant Introduction and Exploration Office, Crops Research Institute, Bunso-Bosuso. Received March 20, 1970.

Originally from Togoland.

349233 to 349236. CUCUMIS MELO L. Cucurbitaceae. **Muskmelon.**

From Germany. Seed presented by S.E.A. Rehm, Institute for Tropical and Subtropical Plants, Gottingen. Received March 30, 1970.

349233. Australia. Reported as weed after introduction from South Africa. Small fruits.

349234. Dakar. Small fruits. North Africa.

349235. Nelspruit. Strong grower; small to medium sized fruits; watery, acid taste. Occurs as weed in fields of east and south Africa.

349236. Roodeplaat. Small to medium sized fruits. Leaves of plant rather than acid fruits eaten by natives. Weed in east and south African fields.

349237 to 349239. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

From Hungary. Seed presented by the Plant Introduction Officer, National Institute of Agrobotany, Tapioszele. Received April 1, 1970.

349237. 'Kecskemeti merevszaru'.

349238. 'Kecskemeti 507'.

349239. 'Kecskemeti-3F1' (K.export × Kt 59–60).

349240 and 349241.

From Union of Soviet Socialist Republics. Seed presented by Hortus Botanicus Fominianus, Kominterne, Kiev. Received March 23, 1970.

349240. CARAGANA ARBORESCENS Lam. Leguminosae. **Siberian pea-tree.** 889.

349241. CARAGANA FRUTEX (L.) Koch **Russian peashrub.** 891.

349242 and 349245. VICIA NIGRICANS Hook. & Arn. Leguminosae.

From Argentina. Seed presented by Jose Diem, Villa la Angostura, Neuquen Province. Received April 1, 1970.

349242. Near Lake Nahuel Huapi beach. Elevation 770 m.

349243. Near Puerto Manzano. Elevation 850 m.

349244. Puerto Manzano. Elevation 850 m.

349245. From base of Volcano Lavin. Elevation 1,200 m.

349246 to 349248. HAMAMELIS × INTERMEDIA Rehd. Hamamelidaceae.

From Belgium. Scions presented by Robert de Belder, Arboretum Kalmthout, Kalmthout. Received February 27, 1970.

349246. 'Diane'.

349247. 'Primavera'.

349248. 'Vesna'.

349249. FESTUCA RUBRA L. Gramineae. **Red fescue.**

From United States. Seed produced at Regional Plant Introduction Station, Geneva, N.Y. Received March 27, 1970.

G–14650. Received from Canada through Soil Conservation Service, Big Flats, New York under No. 2579–63. Uniform, low growing, very vigorous and leafy; excellent fall recovery and spring vigor. Free from leaf spot and rust. Cultivated.

349250 to 349254. ORYZA SATIVA L. Gramineae.

From Japan. Seed presented by S. Tanaka. National Institute of Radiation Breeding. Ohmiya, Ibaraki. Received March 5, 1970.

349250. 'Norin 8'. From haploid doubled by colchicine treatment.

349251. No. 4. Mutant from P.I. 349250 after gamma ray irradiation. High in total protein and lysine.

349252. No. 5. Mutant from P.I. 349251 after gamma ray irradiation. High in total protein and lysine.

349253. 177. Mutant from P.I. 349251 after gamma ray irradiation. High in total protein and lysine.

349254. 835. Mutant from P.I. 349251 after gamma ray irradiation. High in total protein and lysine.

349255 to 349257. ZEA MAYS L. Gramineae. **Corn.**

From Nigeria. Seeds presented by the Federal Department of Agricultural Research, Ibadan. Received April 14, 1970.

349255. 'Ibadan A'.

349256. 'Ibadan B'.

349257. 'Ibadan C'.

349258 to 349263. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

From Canada. Seed presented by E. A. KERR, Horticultural Research Institute, Vineland Station. Received March 11, 1970.

349258. 'Pink Vogue'. Developed from cross 'Vogue' × 'Pink Red Jacket' and backcrossed to 'Vogue' three times. Staking type, colorless skin. Carries gene *u* for uniform ripening.

349259. 'Veecrop'. Developed from a cross of 'Glamor' by selection out of 'Early Baltimore' × 'Pritchard'. Has ability to set fruit under cool conditions; resistant to verticillium wilt. Superior type for processing as juice or whole pack.

349260. 'Veeset'. ('Campbell 1402' × 'Coldset'). Early bush type. Good foliage, bluish cast; fruit firm with outstanding crack resistance.

349261. 'Vendor' ('Indian River' × 'V596'). Fruit red; high degree of resistance to yellow top and cracking; clusters closely spaced; relatively tolerant to blotch.

349262. 'Vision' ('Campbell 1327' × 'Coldset'). Early bush type, fruit firm. Cold germinating potential.

349263. 'Vivid'. Developed from cross 'Earliest of All' × 'Pink Red Jacket' and backcrossed five times to 'Earliest of All'. Staking type; carries gene *y* for colorless skin and gene *u* for uniform ripening. Smooth, early, free-setting; too small for commercial production unless staked. Highly resistant to yellow top or leather end.

349264. HORDEUM VULGARE L. Gramineae. **Barley.**

From Denmark. Seed presented by Jochen Leitzke, Planteforaedling and Stamfroavl, Overbygard. Received April 7, 1970.

'Siri'. Spring type.

349265. ADONIS AESTIVALIS L. Ranunculaceae.

From Turkey. Seed presented by Osman Tosun, Faculty of Agriculture, University of Ankara, Ankara, under Public Law 480 Project A22–CR–1. Received March 30, 1970.

1817. Between Ardahan and Cildir. Elevation 2,000 m. Stems erect, 40–80 cm., branched, flowers orange yellow. June 1966.

349266. ADONIS AESTIVALIS L. Ranunculaceae.

From Israel. Seed presented by Arich Abraham, Division of Plant Introduction, The National and University Institute of Agriculture, Rehovot, under Public Law 480 Project A10–CR–10. Received March 30, 1970.

59–56. Beeri. Field collection, loess soil; rainfall 250 mm. May 1965.

349267. DAUCUS MONTEVIDENSIS. Spreng. Umbelliferae.

From Uruguay. Seed presented by B. Rosengurtt, Faculted de Agronomia, Universidad de la Republica, Montevideo, under Public Law 480 Project S9–CR–3. Received March 30, 1970.

3964. Near "La Colorado" beach, Departmento de Montevideo. Annual, relatively determinate, growing in poor sandy soil. November 1962.

349268. STREPTANTHUS ARIZONICUS S. Wats. Cruciferae.

From United States. Seed collected by A. S. Barclay, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 30, 1970.

2062. 2.5 km. east of Continental, Pima County, Ariz. Elevation 930–970 m. Erect annual to 8 dm., glaucous. Leaves fleshy; flowers white, petals with purplish nerves. Common under mesquite and *Larrea*. May 1968.

349269 and 349270. VICIA LEAVENWORTHII Torr. & Gray Leguminosae.

From United States. Seed collected by A. S. Barclay, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland. Received April 7, 1970.

349269. 2091. Along State Highway 118, 32 km. south of Alpine, Brewster County, Texas. Elevation 1,500–1,670 m. in Davis Mountains. Sprawling annual along road margin. Mesquite grassland.

349270. 3029. Along State Highway 26, 54.7 km. northeast of Deming, Luna County, New Mexico. Sprawling annual; local colony along road margin. Caliche soil. Creosote bush grassland.

349271. VICIA MELANOPS Sibth. & Smith Leguminosae.

From Germany. Seed presented by the Institut fur Kulturpflanzenforschung, Berlin. Received April 7, 1970.

VIC 474/65 (BN 19195).

349272. VICIA NARBONENSIS L. Leguminosae. **Vetch.**

From Turkey. Seed collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Maryland. Received April 7, 1970.

22664. Ten km. northeast of Aydencik along road to Gulman. Elevation 150–200 m. Annual with prickles on pods. May 1969.

349273 to 349314.

From New Guinea. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Md., for USDA-Longwood Cooperative Program. Received March 1, 1970.

349273. ALOCASIA sp. Araceae.

398. Bottom of ridge on which Oregenang Village is located. Elevation 1,300 m. Terrestrial herb to 1 m. tall; leaves erect, saggitate to 30 cm.; inflorescences auxiliary to 15 cm.; spathe red. Wild.

349274. ALPINIA sp. Zingiberaceae.

355. Hill below Oregenang Village. Elevation 1,400 m. Large terrestrial herb to 2 m. tall. Inflorescence terminal, leaves long-oblong to 36 cm.; fruit yellow. Wild.

349275. ALPINIA sp.

409. Along trail Oregenang to Mindik. Terrestrial plant to 1.2 m. tall. Wild.

349276. ARECA sp. Palmae.

423. "Kabibi". New Guinea Biological Foundation, Bougainville Island. Forest swamp. Slender palm to 4.6 m. tall; flowers light brown, fruit orange, ovoid, 3 to 4 cm. long. Wild.

349277. BEGONIA sp. Begoniaceae.

402. Trail Oregenang to Mindik. Elevation 1,330 m. Climbing plant with pink flowers. Wild.

349278. CARICA PAPAYA L. Caricaceae. **Papaya.**

422. New Guinea Biological Foundation, Bougainville Island. Selected for uniform round fruit. Cultivated.

349279. CASUARINA PAPUANA S. Moore. Casuarinaceae.

505. Goroka. Tree to 15 m. tall. Wild.

349280. CERBERA FLORIBUNDA K. Schum. Apocynaceae.

473. Division of Botany, Botanic Garden, Lae. Tree to 6 m. tall. Flowers in panicles, 2.5 cm., white; fruits paired, elongate, 1.2 cm. thick, twisted, orange red. Cultivated.

349273 to 349314—Continued

349281. CHAMAEDOREA SEIFRIZII Burret Palmae.

438. Division of Botany, Botanic Garden, Lae. Compact, multiple-trunked palm to 2.1 m. tall; leaves pinnate, slender, 0.6 m. by 2.5 cm. Unusually dense branching from base. Cultivated.

349282. CLAPPERTONIA FICIFOLIA (Willd.) Dcne. Tiliaceae.

427. Division of Botany, Botanic Garden, Lae. Woody shrub to 1.5 m. tall; leaves cordate to 13 cm.; flowers white. Cultivated.

349283. COMBRETUM CONSTRICTUM Laws. Combretaceae.

442. Department of Botany, Botanic Garden, Lae. Woody shrub or sometimes scrambling vine; often yellow green opposite leaves oblong to 5.6 cm. Inflorescence terminal, a tight spike, flowers 1.3 cm., red, numerous. Cultivated.

349284. COSTUS sp. Zingiberaceae.

489. Oomsis Forestry Station, 12.5 km. from Lae toward Bulolo. Terrestrial herb with branched stems to 3.7 m. long. Inflorescences on separate stems perennial, elongating and flowering at top bracts make a stiff cone 1 m. in length. Wild.

349285. CYRTOSPERMA JOHNSTONII N.E. Br. Araceae.

459. Division of Botany, Botanic Garden, Lae. Terrestrial herb to 1 m. tall. Leaves saggitate, 38 cm. long; basal lobes equal to blade; petioles spiny, marked with purple; spathe lanceolate, 15 cm., purple. Cultivated.

349286. ELAEOCARPUS SPHAERICUS (Gaertn.) Schum. Elaeocarpaceae.

428. Trail Oregenang to Mindik. Tall tree, fruits 2.5 cm. bright blue. Wild.

349287. ELAEOCARPUS sp.

349. "Masaca". Steep slope below Oregenang Village. Elevation 1,500 m. Tree with large red-veined leaves to 15 cm.; flowers greenish in 10 cm. laterals subterminal; fruits ovoid to 2.5 cm. dark blue. Wild.

349288. HELICONIA sp. Musaceae.

426. New Guinea Biological Foundation, Bougainville Island. Terrestrial tall herb, boat-shaped bracts with many flowers. Wild.

349289. HYDRIASTELE sp. Palmae.

440. Division of Botany, Botanic Garden, Lae. No. 2010 from New Guinea. Slender clump forming to 6 m. Pinnate leaves, slender to 1 m.; pinnate to 4.5 dm. Inflorescences clustered at base of leaves; branched; segments slender to 20 cm.; fruit small, reddish. Cultivated.

349290. HYDRIASTELE sp.

441. Division of Botany, Botanic Garden, Lae. No. E2038 from New Guinea. Slender palm forming clumps; pinnate leaves to 1.2 m.; inflorescence branched; branches pendent, thick set with small red fruits. Cultivated.

349291. HYDRIASTELE sp.

486. Oomsis Forestry Station, 12.5 km. from Lae toward Bulolo. Slender palm to 6 m. tall, producing 2 or 3 trunks; pinnate leaves in terminal cluster to 2 m. Inflorescence below leaves, slender branched; fruit 8–10 cm. long, red. Wild.

349292. LICUALA sp. Palmae.

437. Division of Botany, Botanic Garden, Lae. No. S721. short stout trunk, to 2.1 m. tall; fan-leaved type; pinnate wide spread; leaf 7.6 by 7.6 dm. Inflorescence longer than leaves 1.4 m.; sparsely branched; fruits 1.2 cm., reddish. Native to New Britain. Cultivated.

349293. MARANTA sp. Marantaceae.

352. Hill below Oregenang Village. Elevation 1,430 m. Terrestrial herb to 1.2 m. tall. One leaf terminating each growth to 23 by 10 cm.; flowers subterminal of leaf; fruit white, 1.2 cm. Wild.

349273 to 349314—Continued

349294. MUSA ACUMINATA Colla Musaceae.

483. Oomsis Forestry Station. Terrestrial herb to 4.6 m. tall; inflorescence terminal; semipendent. Wild.

349295. MUSSAENDA sp. Rubiaceae.

370. Steep hillside below Oregenang Village. Elevation 1,330 m. Woody climber, soft velvety leaves, oblong, 10 cm.; enlarged bract, white, fruit 6 by 6 cm.; obovoid 2.5 cm. long with enlarged lenticels. Wild.

349296. PIPER sp. Piperaceae.

363. Hillside below Oregenang Village. Elevation 1,430 m. Climber in rain forest. Leaf ovate to 15 cm., pubescent below; catkins irregular in thickness to 11 cm. long, red, fleshy. Wild.

349297. PITTOSPORUM sp. Pittosporaceae.

583. Australian National University Research Station, Mt. Wilhelm. Elevation 3,930 m. Tree to 10 m. tall. Oblong coriaceous leaves to 1 m. long; flowers in terminal short spikes, yellow green, 1.2 cm.; fruit orange, 2.5 cm. long. Wild.

349298. POA sp. Gramineae.

605. Small herb to 15 cm.; flower heads 3 cm., pale lavender. Wild.

349299. PODOCARPUS sp. Taxaceae.

619. "Bauwa." From hill northeast of Australian National University Research Station guest house, Mt. Wilhelm. Elevation 4,000 m. Tree to 3 m. tall. Leaves symmetrically spaced around branches, to 2 cm. long by 6 mm. wide. Entire fruit 2.5 cm. long, lower part 1.5 cm. long by 1 cm. wide, red, fleshy. Wild.

349300. POIKILOGYNE sp. Melastomataceae.

563. Close to Nigbguma Village, Chimba District. Tree to 8 m. tall. Wild.

349301. POTENTILLA sp. Rosaceae.

609. Australian National University Research Station, Mt. Wilhelm. Elevation 3,930 m. Terrestrial herb or in bogs. All plant parts silvery pubescent; flowers yellow, 1.5 cm. Wild.

349302. PTYCHOSPERMA sp. Palmae.

424. New Guinea Biological Foundation, Bougainville Island. No. 38490. Forest swamp. Slender palm to 6 m. tall; leaves dark green; flowers cream; fruit red. Wild.

349303. PTYCHOSPERMA sp.

434. Division of Botany, Botanic Garden, Lae. No. E2030 C.F. Cluster palm to 6 m. tall; stems bending inward. Pinnate-leaved; leaves 8–10 cm.; inflorescence branched; fruits black, 1.2 cm., quite juicy. Cultivated.

349304. PTYCHOSPERMA sp.

435. Division of Botany, Botanic Garden, Lae. No. E2013. Native to New Guinea. Dense cluster palm to 3 m. Pinnate-leaved, 1 m. by 3.8 dm.; branched inflorescence below leaves; fruit red, 1.2 cm. long. Cultivated.

349305. REJOUA AURANTICA Gaud. Apocynaceae.

433. Division of Botany, Botanic Garden, Lae. No. T781. Native to New Guinea. Tree to 8 m. tall; flowers white; fruit obovoid, 6 cm. long, orange red. Cultivated.

349306. RUBUS sp. Rosaceae.

574. Pindaunde. Australian National University Research Station, Mt. Wilhelm. On slope opposite guest house, lower end Lake Aunde. Shrub to 1 m. tall, stems prickly; flowers orange red, 5 cm. Fruit about 2.5 cm. across with persistent stigmas. Wild.

349273 to 349314—Continued

349307. RUBUS sp. Rosaceae.

590. Australian National University Research Station, Mt. Wilhelm. Elevation 4,000 m. Spiny shrub with stems 3 m. long. Trilobed leaves; leaflets obovate, glossy above, densely pubescent below; fruit 2.5 cm.; drupelets to 1 cm., densely pubescent; white flowers. Wild.

349308. RUBUS sp.

624. Meadow plant near Australian National University Research Station, Mt. Wilhelm. Elevation 4,000 m. Canes to 3 m. long; flowers said to be white; fruit 2 cm. diameter, red; drupelets 0.5 cm. Wild.

349309. SAURAUIA sp. Dilleniaceae.

350. Steep slope below Oregenang Village. Elevation 1,500 m. Tree to 10 m. tall; leaves pubescent, 15 cm.; flowers white. Wild.

349310. SAURAUIA sp.

356. Hill below Oregenang Village. Elevation 1,400 m. Tree to 10 m. tall; leaves scurfy below, 20 cm., obovate; inflorescence with fleshy sepals, flowers white, to 2.5 cm. Foreman 48555. Wild.

349311. SEAFORTHIA ELEGANS R. Br. Palmae.

436. Division of Botany, Botanic Garden, Lae. No. S2313. Native to Australia. Single trunk to 4 m. tall. Pinnate leaves, 1.8 by 0.6 m.; lower pinnae with string tips. Cultivated.

349312. TAPEINOCHEILOS sp. Zinziberaceae.

443. Division of Botany. Botanic Garden, Lae. Terrestrial herb to 1 m. tall, branched. Leaves ovate to 1 dm. long, flowers white; fruits white, 0.8 cm. Cultivated.

349313. VACCINIUM sp. Ericaceae.

584. Australian National University Research Station, Mt. Wilhelm. Elevation 4,000 m. Low shrub: small, sessile, 1-cm. leaves, evenly spaced: flowers axillary, pale pink, globular, with small opening 1 cm. long. Fruit 0.5 cm., black. Wild.

349314. VIGNA UNGUICULATA (L.) Walp. Leguminosae. **Cowpea.**

430. Experiment Station, Department of Agriculture, Stock and Fisheries, Bubia. Climbing herb, vigorous with 3-dm. pods. Good ground cover. Cultivated.

349315 to 349323. THALICTRUM DASYCARPUM Fisch. & Lall. Ranunculaceae. **Meadowrue.**

From United States. Seed collected by L. A. Spetzman, Plant Science Research Division, Plant Industry Station, Beltsville, Md. Received April 15, 1970.

349315. 1243. Eleven km. west of Spalding on Highway 2, near campground. Menominee County, Mich. Perennial herb 1.5 m. tall, dioecious; abundant fruit. Wet, sunny road margins. Wild.

349316. 1244. Four km. west of Pembine, along Highway 8, 2.4 km. west of junction with Highway 141, Marinette County, Wis. Perennial herb, 1.2 to 1.5 m. tall, dioecious; abundant fruit. Wet lowlands road margins for about 1.6 km. with willow-alder brush. Locally abundant. Wild.

349317. 1245. Eleven km. west of Prentice along Highway 8, Price County, Wis. Perennial herb, 1.5 to 2.0 m. tall, dioecious; abundant fruit; weak stems. Wet, wooded valley, Jump River drainage. Locally abundant. Wild.

349318. 1248. About 1 km. east of Poskin on Highway 8, Barron County, Wis. Perennial herb 1.0 to 1.5 m. tall, dioecious; rather poor fruit. Sunny, grassy roadside slope below cornfield facing north; fairly large stand. Wild.

349315 to 349323—Continued

349319. 1252. Circle Pines, Lexington Avenue at 85th Avenue N.E., Anoka County, Minn. Perennial herb, 1.5 to 2.0 m. tall, dioecious; abundant fruit. Edge of sunny, tall grass-weed, damp meadow. Locally abundant. Wild.

349320. 1255. Jackson Street, East Arlington, St. Paul, Ramsey County, Minn. Perennial herb, 2 m. tall, dioecious; abundant fruit. Swale in meadow with grass, nettle, and goldenrod 1.2 m. high.

349321. 1257. Eastern border of Dunbar along Highway 8, Marinette County, Wis. Perennial herb 2 m. tall; dioecious; open variable to capitate inflorescence. Wet, marshy roadside ditch; sunny. Locally abundant. Wild.

349322. 1267. About 4 km. along Highway 2, Big Fishdam Road, east of Isabella, Delta County, Mich. Perennial herb, 1.5 to 2.7 m. high; weak stems; dioecious. Damp shady floodplain with deciduous forest (ash, white birch, balsam poplar, willow, ninebark). Undergrowth of meadow rue and bedstraw. Wild.

349323. 1271. Madison, Dane County, Wis. Perennial herb 2 m. high; dioecious. Damp lowlands.

349324 to 349326. Malus sylvestris Mill. Rosaceae. Apple.

From Republic of South Africa. Budsticks presented by the Fruit and Food Technology Research Institute, Stellenbosch. Received April 16, 1970.

349324. 'Coast Apple'.

349325. 'Leyda'.

349326. 'Wemmershoek'.

349327. Hyphaene thebaica (L.) Mart. Palmae. Doum palm.

From Egypt. Seed collected by R. G. Seibert, Longwood Gardens, Kennett Square, Pennsylvania. Received April 16, 1970.

Collected at Winter Palace Hotel Garden, Luxor. According to account carved on Queen Hatshepsut's temple, plants descended from the collection she obtained from the land of Punt.

349328. Cardamine impatiens var. pectinata (Pall.) Trautv. Cruciferae.

From India. Seed presented by H. B. Singh, Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi, under Public Law 480 Project A7–CR–148. Received April 8, 1970.

I.W. 16.

349329 to 349335. Nicotiana tabacum L. Solanaceae. Tobacco.

From Union of Soviet Socialist Republics. Seed presented by the N. Vavilov All-Union Institute of Plant Industry, Leningrad. Received April 15, 1970.

349329. 'Amerikan 287'. 1967.

349330. 'Dubek 566'. 1967.

349331. 'Ostrolist 2747–II'. 1965.

349332. 'Peremozhetz 83'. 1966.

349333. 'Samsun 959'. 1966.

349334. 'Sobolchsky 174'. 1967.

349335. 'Trabizond 219'. 1969.

349336 to 349341. Fagopyrum esculentum Moench Polygonaceae. Buckwheat.

From India. Seed presented by H. B. Singh, Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received April 9, 1970.

349336. Ec. 16153. Simla.

349337. Ec. 18132. Simla.

349338. I.C. Nagra 1 and 2. Simla.

349339. I.C. 13139. Simla.

349340. I.C. 13376. Simla.

349341. I.C. 13419. Simla.

349342 to 349346. MYRICA RUBRA Sieb. & Zucc. Myricaceae. Nagi.

From Japan. Seed presented by M. Iizuka, Horticultural Research Station, Ministry of Agriculture and Forestry, Hiratsuka, Kanagawa. Received April 15, 1970.

349342. 'Akadango'. Open pollinated.
349343. 'Kogyoku'. Open pollinated.
349344. 'Onidango'. Open pollinated.
349345. 'Tateishi'. Open pollinated.
349346. 'Zuiko'. Open pollinated.

349347 to 349352.

From Bolivia. Seed collected by T. W. Whitaker, United States Horticultural Field Station, La Jolla, Calif. Received April 7, 1970.

349347 to 349351. CUCURBITA MAXIMA Duchesne Cucurbitaceae. **Squash.**

349347. Caranavi, La Paz market place. Fruit about 15 cm. diameter, 30 cm. long, skin light grayish green, warted overall; very hard skin; thin flesh, light salmon. Seeds light brown with margin lighter than body. Cultivated.

349348. Impana, La Paz market place. Fruit not seen; seeds medium sized, dark brown, margin same as seeds. Cultivated.

349349. "Zapollo". In Camacho Mercado, La Paz. Plant not seen; huge, gray-skin squash; smooth; 7 to 9 dm. long, 3.5 cm. diameter; yellowish, fairly thick flesh. Cultivated.

349350. Cochabamba Botanical Garden. Reported to have come from local market. Vine typical *maxima*, poor vigor; fruit flattened 15 by 25 cm.; grayish mottled skin, smooth; very hard; flesh well colored, thick. Seeds yellowish brown, margin light brown. Fruit 'Hubbard' type. Cultivated.

349351. Colombia. Vine typical *maxima* with poor vigor, probably due to sterile soil. Fruit oblong, smooth, solid white or cream; flesh thin, greenish, pink near cavity. Seeds brownish, with light brown margin. Cultivated.

349352. CUCURBITA MOSCHATA Duchesne ex Poir. Cucurbitaceae. **Cushaw.**

Caranavi, La Paz market place. Fruit pear shaped with light grayish green, mottled skin; 30 cm. long by 15 cm. in diameter at bell. Seed medium size, brown with margin same color as body. Rare in this area. Cultivated.

349353. CUCURBITA MAXIMA Duchesne Cucurbitaceae. Squash.

From Ecuador. Seed collected by T. W. Whitaker, United States Horticultural Field Station, La Jolla, Calif. Received April 7, 1970.

Ambato market. Large; green skin; smooth; large seed cavity; lemon colored flesh. Cultivated.

349354. CUCURBITA MAXIMA Duchesne Cucurbitaceae. Squash.

From Chile. Seed collected by T. W. Whitaker, United States Horticultural Field Station, La Jolla, Calif. Received April 7, 1970.

Puerto Mount market. Large fruit 3 by 3 dm., with gray skin, smooth; flesh lemon, thick. Typical *maxima* of Southern Chile. Cultivated.

349355 to 349365. HORDEUM VULGARE L. Gramineae. Barley.

From England. Seed presented by Rothwell Plant Breeders Ltd., Rothwell, Lincolnshire. Received April 6, 1970.

349355. RPB 1.
349356. RPB 2.
349357. RPB 3.
349358. RPB 4.
349359. RPB 5.
349360. RPB 6.
349361. RPB 7.
349362. RPB 8.
349363. RPB 9.
349364. RPB 10.
349365. RPB 11.

349366 and 349367. HORDEUM DISTICHON L. Gramineae. **Two-rowed barley.**

From Australia. Seed presented by D. H. B. Sparrow, Waite Agricultural Research Institute, Glen Osmond. Received April 15, 1970.

349366. 'Clipper'.

349367. 'Ketch'.

349368. PHASEOLUS VULGARIS L. Leguminosae. **Common bean.**

From United States. Seed presented by H. N. Metcalf, Plant and Soil Science Department, Montana State University, Bozeman. Received April 10, 1970.

'Paul Busch'. Local pole type, cultivated in Bozeman area for about 25 years. Flowers pink, purplish center; pods oval; seed light mottled tan with dark brown over markings and pronounced circle around hilum.

349369 to 349389. ZEA MAYS L. Gramineae. **Corn.**

From Poland. Seed of inbreds presented by Z. Baczynski, Zaklad Doswiadczalny, Hodowli I Aklimatyzacji Roslin, Smolice. Received April 10, 1970.

349369. S 3. Flint.

349370. S 3 Ms. Flint.

349371. S 14. Flint.

349372. S 14 Ms. Flint.

349373. S 20. Flint.

349374. S 27. Flint. Czechoslovakia

349375. S 27 Ms. Flint.

349376. S 38. Dent. (Hybrid 901J) United States.

349377. S 42. Flint.

349378. S 42 Ms. Flint.

349379. S 48. Dent.

349380. S 49. Dent.

349381. S 51. Dent.

349382. S 54. Dent.

349383. S 60. Dent.

349384. S 61–G. Dent.

349385. S 61–P. Dent.

349386. S 72. Dent. Canada.

349387. S 83–H. Dent.

349388. S 83–W. Dent.

349389. S 83–Z. Dent.

349390 to 349394. ORYZA SATIVA L. Gramineae.

From Philippines. Seed received from the International Rice Research Institute, Los Banos and grown in 1969 at the Imperial Valley Research Station, El Centro, California. Received March 6, 1970.

349390. IV 224. IR667–80–2–1–1. IR8 × (Yukara × T (N)1.

349391. IV 381. IR934–366–2. IR8/3 × (Yukara × T(N)1.

349392. IV 405. IR934–562–2. IR8/3 × (Yukara × T(N)1.

349393. IV 54. IR1317–152. Jinheung × IR 262–43–8–11/2.

349394. IV 62. IR1317–178. Jinheung × IR 262–43–8–11/2.

349395 to 349412. ORYZA SATIVA L. Gramineae.

From Colombia. Seed presented by P. R. Jennings, Rockefeller Foundation, Cali. Received April 6, 1970.

349395. 1953. IR665–1–1–6. IR8 × (Peta/5 × Belle Patna).

349396. 1961. IR665–4–4–5. IR8 × (Peta/5 × Belle Patna).

349397. 1962. IR665–4–5–2. IR8 × (Peta/5 × Belle Patna).

349398. 1970. IR665–14–3–5. IR8 × (Peta/5 × Belle Patna).

349399. 1973. IR665–20–1–5. IR8 × (Peta/5 × Belle Patna).

349400. 1974. IR665–20–3–1. IR8 × (Peta/5 × Belle Patna).

349401. 1975. IR665–20–3–2. IR8 × (Peta/5 × Belle Patna).

349402. 1977. IR665–23–3–1. IR8 × (Peta/5 × Belle Patna).

349395 to 349412—Continued

349403. 1979. IR665–31–2–2. IR8 × (Peta/5 × Belle Patna).
349404. 1985. IR665–31–6–5. IR8 × (Peta/5 × Belle Patna).
349405. 1986. IR665–31–6–6. IR8 × (Peta/5 × Belle Patna).
349406. 1989. IR665–33–1–3. IR8 × (Peta/5 × Belle Patna).
349407. 1994. IR665–33–3–4. IR8 × (Peta/5 × Belle Patna).
349408. 1995. IR665–33–5–2. IR8 × (Peta/5 × Belle Patna).
349409. 1996. IR665–33–5–7. IR8 × (Peta/5 × Belle Patna).
349410. 1997. IR665–33–5–8. IR8 × (Peta/5 × Belle Patna).
349411. 1998. IR665–34–2–3. IR8 × (Peta/5 × Belle Patna).
349412. 2000. IR665–34–2–8. IR8 × (Peta/5 × Belle Patna).

349413. VICIA HYRCANICA Fisch. & Mey. Leguminosae.

From Germany. Seed presented by Institut fur Kulturpflanzenforschung, Berlin. Received April 16, 1970.

VIC 640/61. (BN 19192).

349414 to 349428.

From Korea. Seed presented by T. Bok Lee, College of Agriculture, Seoul National University, Seoul, under Public Law 480 Project A13–CR–1. Received March 20, 1970.

349414. LESPEDEZA × ANGUSTIFOLIOIDES T. B. Lee Leguminosae.

306. "Nutsari". Tanyang. November 1967.

349415 and 349416. LESPEDEZA BICOLOR Turcz.

349415. 247. "Ssari". Suwon, Kyunggido. October 1966.

349416. 307. Mt. Chiri. November 1967.

349417. LESPEDEZA CUNEATA (Dumont) G. Don **Sericea lespedeza.**

165. "Bee-soori". Suwon, Kyunggido. October 1964.

349418. LESPEDEZA CYRTOBOTRYA Miquel

297. "Chamsari". Suwon. November 1967.

349419. LESPEDEZA DAURICA (Laxm.) Schindler

248. "Ho-bisoori". Suwon, Kyunggido. October 1966.

349420. LESPEDEZA × DIVARICATA (Nakai) T. B. Lee

249. "Tchung-bisoori". Suwon, Kyunggido. October 1966.

349421. LESPEDEZA INSCHANICA (Maxim.) Schindl.

250. "Dang-bisoori". Suwon, Kyunggido. October 1966.

349422. LESPEDEZA × INTERMIXTA Makino

305. Mokdo Island. November 1967.

349423. LESPEDEZA JAPONICA var. INTERMEDIA Nakai

296. "Pool-sari". Suwon. November 1967.

349424. LESPEDEZA MAXIMOWICZII var. TRICOLOR Nakai

295. "Samsaik-sari". Jindo Island. November 1967.

349425 and 349426. LESPEDEZA STRIATA (Thunb.) Hook. & Arn. **Striate lespedeza.**

349425. 166. "Doongun-Maidoppool". Suwon, Kyunggido. October 1964.

349426. 167. "Mai-dop-pool". Mt. Kwangko, Kyunggido. September 1964.

349414 to 349428—Continued

349427. LESPEDEZA TOMENTOSA (Thunb.) Sieb. ex Maxim.

251. Gae-ssari". Suwon, Kyunggido. October 1966.

349428. LESPEDEZA VIRGATA (Thunb.) DC.

294. "Zomsari". Suwon, Kyunggido. November 1967.

349429 to 349545. TRITICUM AESTIVUM L. Gramineae.

Common wheat.

From Switzerland. Seed presented by G. Popow, Federal Agronomy Research Station, Zurich. Received March 2, 1970.

349429. 'Dichti'.
349430. 'Huron'.
349431. 'Svenno'.
349432. 1a. Albinen.
349433. 1b. Albinen.
349434. 186b. Andiast.
349435. 1869a. Andiast.
349436. 1869b. Andiast.
349437. 1869c. Andiast.
349438. 1872a. Andiast.
349439. 1872b. Andiast.
349440. 1872c. Andiast.
349441. 1872d. Andiast.
349442. 1876a. Andiast.
349443. 1876c. Andiast.
349444. 1876d. Andiast.
349445. 1878b. Andiast.
349446. 1878d. Andiast.
349447. 1882a. Andiast.
349448. 1882b. Andiast.
349449. 184a. Brigels.
349450. 184b. Brigels.
349451. 1885a. Brigels.
349452. 1888a. Brigels.
349453. 1888c. Brigels.
349454. 984b. Bitsch.
349455. 984d. Bitsch.
349456. 1003e. Bitsch.
349457. 1003f. Bitsch.
349458. 1890b. Caneder.
349459. 1891c. Caneder.
349460. 1893b. Casut.
349461. 1893c. Casut.
349462. 1893d. Casut.
349463. 1893e. Casut.
349464. 1895b. Casut.
349465. 1898a. Casut.
349466. 1955b. Cavardiras.
349467. 1955c. Cavardiras.
349468. 1955d. Cavardiras.
349469. 1955e. Cavardiras.
349470. 1920a. Clavadi.
349471. 2104a. Chugin.
349472. 196a. Disentis.
349473. 196b. Disentis.
349474. 135a. Fellers.
349475. 135c. Fellers.
349476. 135d. Fellers.
349477. 193a. Fland.
349478. 193c. Fland.
349479. 193e. Fland.
349480. 193f. Fland.
349481. 193h. Fland.
349482. 243a. Gimentz.
349483. 188a. Gruyeres.
349484. 241a. Gruyeres.
349485. 1247a. Handeres.
349486. 240a. Lens.
349487. 1092c. Les Agettes.
349488. 1092d. Les Agettes.
349489. 1099b. Les Agettes.
349490. 1099d. Les Agettes.
349491. 194a. Lumbrein.
349492. 194b. Lumbrein.
349493. 1971b. Platta.
349494. 1112b. Nandaz.
349495. 1112c. Nandaz.
349496. 1114b. Nandaz.
349497. 1114c. Nandaz.
349498. 1123c. Nandaz.
349499. 1123d. Nandaz.
349500. 1123e. Nandaz.

349429 to 349545—Continued

349501. 29c. Obersaxen.
349502. 29d. Obersaxen.
349503. 29e. Obersaxen.
349504. 29f. Obersaxen.
349505. 1914a. Rabius.
349506. 1352a. Randa.
349507. 1352b. Randa.
349508. 1787a. Scharans.
349509. 1787c. Scharans.
349510. 1899a. Schlans.
349511. 1900a. Schlans.
349512. 2045a. Sent.
349513. 2045b. Sent.
349514. 2045c. Sent.
349515. 2045d. Sent.
349516. 2045e. Sent.
349517. 1841b. Siat.
349518. 1841c. Siat.
349519. 1843b. Siat.
349520. 1843d. Siat.
349521. 1271b. St. Jean.
349522. 949b. Stalden.
349523. 949d. Stalden.
349524. 2059a. Sur Eu.
349525. 808a. Zenenggen.
349526. 252a. Tiroler Binkel.
349527. 242b. Tiroler Binkel.
349528. 2144c. Tersnaus.
349529. 2144d. Tersnaus.
349530. 2144e. Tersnaus.
349531. 1294b. Vercorin.
349532. 1294f. Vercorin.
349533. 533a. Vex.
349534. 533b. Vex.
349535. 533c. Vex.
349536. 381a. Visp.
349537. 381b. Visp.
349538. 381d. Visp.
349539. 381f. Visp.
349540. 381i. Visp.
349541. 381n. Visp.
349542. 195c. Vrin.
349543. 195f. Vrin.
349544. 1853b. Vuorz.
349545. 2016b. Wiesen.

349546 to 349549. BUXUS SEMPERVIRENS L. Buxaceae.

Common box.

From Yugoslavia. Cuttings collected by J. L. Creech, Plant Science Research Division, Beltsville, Maryland. Received April 27, 1970.

349546. No. 1. Single plant. Javorica river, growing along bed about 8 km. from Demicarpiga, southern Macedonia. Evergreen upright shrub to 2 m. on dry slopes, mixed with evergreen *Quercus*, *Phylleraea*, *Fraxinus* and *Ruscus*.

349547. No. 2. Single plant. Javorica river, growing along bed about 8 km. from Demicarpiga, southern Macedonia. Evergreen upright shrub to 2 m. on dry rocky slopes, mixed with evergreen *Quercus*, *Phylleraea*, *Fraxinus* and *Ruscus*.

349548. No. 3. Single plant. Javorica river, growing along bed about 8 km. from Demicarpiga, southern Macedonia. Evergreen upright shrub to 2 m. on dry rocky slopes, mixed with evergreen *Quercus*, *Phylleraea*, *Fraxinus* and *Ruscus*.

349549. No. 4. Single plant. Javorica river, growing along bed about 8 km. from Demicarpiga, southern Macedonia. Evergreen upright shrub to 2 m. on dry rocky slopes, mixed with evergreen *Quercus*, *Phylleraea*, *Fraxinus* and *Ruscus*.

349550 to 349623.

From New Guinea. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland for USDA-Longwood Cooperative Program. Received April 21, 1970.

349550 to 349623—Continued

349550. ALOCASIA sp. Araceae.

227. Kassam Pass. Terrestrial herb. Leaf sagittate, slightly purple on undersurface. Closed spathe rosy red. Wild.

349551. ALPINIA sp. Zingiberaceae.

211. Aiyura-Atona Road. Terrestrial herb from rhizome to 0.9 m., inflorescence subterminal; red fruit to 1.9 cm. Wild.

349552. ALPINIA sp.

334. Mountain ridge above Oregenang Village. Giant herb, terrestrial to 4 m.; flowers in terminal branched inflorescence, flowers small, green pinkish; fruit 2 cm. long; red. Wild.

349553. AMARANTHUS sp. Amaranthaceae.

163. Patep #2 Village. Garden plant to 1 m. tall; leaf on mature plant 4 cm. wide and 13 cm. long. Stem entirely covered with inflorescence. Cultivated.

349554. AMARACARPUS sp. Rubiaceae.

606. Near Lake Aunde, Mt. Wilhelm. Elevation 3,659 m. Shrub to 3 m.; leaves glossy dark green to 3 cm. long; flowers 3 cm. long tubular, 5 petaled greenish white; fruit red to 1 cm. long. Wild.

349555. ARISTOLOCHIA sp. Aristolochiaceae.

380. Steep hillside below Oregenang Village. Elevation 1,220 m. Woody vine with oblong 6-ribbed fruits, six celled, 8 cm. long. Leaves alternate, long oblong, coriaceous, net veined. Wild.

349556. ASTRONIA sp. Melastomaceae.

391. Kevananga Ridge opposite Oregenang Village. Elevation 1,220 m. Tree to 6 m.; in fruit. Leaves green, heavily veined, oblong, to 15 cm. long, fruit 2 cm. diameter. Wild.

349557. BEGONIA sp. Begoniaceae.

183. Patep #2 Village. Herbaceous to 0.3 m.; stems red hairy; leaves green, veined red; to 13 cm. Flowers pink. Wild.

349558. BEGONIA sp.

187. Patep #2 Village. Dwarf. Mat forming in wet places. Leaves rounded to 10 cm., mottled green and red. Stems reddish.

349559. BEGONIA sp.

651. Kum Mt., 19 km. south of Mt. Hagen. Elevation 2,750 m. Terrestrial herb to 0.9 m.; foliage held erect, leaves 8 cm. long, flowers pink. Wild.

349560. BOERLAGIODENDRON NOVO-GUINEENSE Harms. Araliaceae.

729. Botanic Garden, Lae. Tree to 12 m., with umbrella crown of large, deeply lobed leaves. Cultivated.

349561. CALLICARPA sp. Verbenaceae.

25. Roadside along road. Wau to Edie Creek Elevation 1,524 m. Woody shrub; flowers pinkish mauve; fruit small, violet. Wild.

349562. CALLICARPA sp.

160. Patep #2 Village. Small tree to 4.6 m.; stems, petioles and leaves densely pubescent; flowers in axillary cymes, lavender; fruits 0.6 cm. diameter, bright red. Wild.

349563. CANNA INDICA L. Cannaceae.

202. From garden on Andree Millar, Lae. Herbaceous to 1.5 m., flower segments narrow, orange. Cultivated.

349564. CLEMATIS sp. Ranunculaceae.

480. Oomsis Forestry Station. Herbaceous climber; in seed. Wild.

349550 to 349623—Continued

349565. Coix lachryma-jobi L. Gramineae. **Jobs-tears.**

404. Trail just above Oregenang Village. Elevation 1,433 m. Terrestrial herb to 1.2 m. Seeds more elongate than in common "Jobs tears". Wild.

349566. Coprosma divergens W.R.B. Oliv. **Rubiaceae.**

585. Near Lake Aunde, Mt. Wilhelm. Elevation 3,659 m. Shrub to 1 m.; leaves in whorls of three with stipules, long lanceolate to 2.5 cm., aristate tipped; female flowers .05 cm. diameter, yellowish; protruding stigmas 1.5 cm., orange red. Wild.

349567. Cucurbita sp. Cucurbitaceae.

148. Patep #2 Village. Squash; 61 cm. long, 10 cm. wide at large end, green. Cultivated.

349568. Casuarina papuana S. Moore Casuarinaceae.

739. Department of Forests, Brown River. Tree with cypresslike foliage. Wild.

349569. Cyphomandra betaceae (Cav.) Sendt. Solanaceae. **Tree-tomato.**

497. Coffee estate of G. Kingsford-Smith, near Kainantu. Shrub to 3 m. with reddish, edible fruits 7.6 cm. long. Cultivated.

349570. Cyrtandra sp. Gesneriaceae.

330. Oregenang Village. Terrestrial semiwoody subshrub. Flowers clustered low along main stems, cerise pink; fruit long ovate, waxy white to 3.75 cm. Wild.

349571. Desmodium sp. Leguminosae.

301. Lae road from Kainantu. Subshrub to 1.2 dm. tall; flowers clustered terminally, pealike, purple; fruits jointed. Wild.

349572. Dianella sp. Liliaceae.

130. Hills above Patep #2 Village. Terrestrial, flowers small blue; plant grassy. Wild.

349573. Drimys sp. Magnoliaceae.

597. Near Lake Aunde, Mt. Wilhelm. Elevation 3,659 m. Shrub to 2.5 m. Leaves evergreen, oblanceolate, to 3.5 cm. long; flowers white, 1 cm. diameter; fruits black, paired, obovoid, 1 cm. long.

349574. Elmerrillia papuana (Schlechter) Dandy Magnoliaceae.

691. Korn Farm Nursery, Department of Forests, Mt. Hagen. Tree to 21 m., somewhat spreading, leaves 20 cm. long; flowers creamy white, narrow petaled, 8 cm. across. Wild.

349575. Eucalyptus deglupta Blume Myrtaceae.

738. Department of Forests, Brown River. Tree. Wild.

349576. Eucalyptus papuana F. Muell.

737. Department of Forests, Brown River. Tree. Wild.

349577. Evodia sp. Rutaceae.

699. Korn Farm Nursery, Department of Forests, Mt. Hagen. Tree to 12 m.; flowers pink. Wild.

349578. Fagraea sp. Loganiaceae.

381. On hillside below Oregenang Village. Elevation 1,300 m. Forest tree to 9 m.; leaves opposite, irregularly oblong to 15 cm. long; calyx five rounded lobes to 5 mm. long; fruits clustered terminally; fruit ovoid, pointed, tomato red; seeds small, black. Wild.

349579. Gardenia sp. Rubiaceae.

174. Leahy Garden on Lae-Wau road. Tree to 5 m. Leaves glossy, 3 to 10 cm. long. Flowers white, 6 cm. across, tube 10 cm. long; fruits woody, round, to 4 cm. diameter. Cultivated.

349550 to 349623—Continued

349580. GARDENIA sp.

696. Road Mt. Hagen-Baiyer River. Elevation 1,524 m. Tree to 6 m.; flowers 6 cm. across opening; creamy white turning dark yellow; fruit 5 cm. by 3 cm., yellowish. Wild.

349581. HIBISCUS sp. Malvaceae.

302. Garden of Kainantu Hotel, Kainantu. Subshrub to 1.2 m.; plant entirely red. Cultivated.

349582 to 349586. IMPATIENS HAWKERI W. Bull. Balsaminaceae. **Snapweed.**

349582. 222. Aiyura-Arona Road. Flowers rose to pale rose and lavender. Diploid. Wild.

349583. 233. Kassam Pass. Terrestrial herb; leaves green, near-white flowers. Wild.

349584. 510. Daulo Pass. Goroka-Kainantu Road. Elevation 2,438 m. Orange flowers; herbaceous plant to .06 m. Wild.

349585. 648. Kum Mountain, 19 km. south Mt. Hagen. Elevation 2,743 m. Terrestrial herb. Lavender flowers. Wild.

349586. 133. Growing along small stream above Patep #2 Village. Leaf green, midrib red below; flower pink, 2.8 cm. diameter. Wild.

349587. IMPATIENS sp.

408. Trail Oregenang-Mindik. Elevation 1,433 m. On limestone and sandstone outcroppings. Low-terrestrial herb; flowers salmon. Wild.

349588. IMPATIENS sp.

419. Along trail Oregenang to Mindik. Elevation 1,219 m. Terrestrial herb to 2.6 m.; flowers pure white. Wild.

349589. IXORA sp. Rubiaceae.

783. Sheedy's Nurseries, Port Moresby. Shrub with pure orange flowers. Cultivated.

349590. IXORA sp.

782. Sheedy's Nurseries, Port Moresby. Flowers pure yellow; foliage not so chlorotic as in other yellow varieties. Cultivated.

349591. LAGENARIA sp. Cucurbitaceae.

325. 'Penis Gourd'. Oksapmin, East Sepik Dist. Elevation 1,524 m. Herbaceous vine, producing long slender fruits. Cultivated.

349592. LAGERSTROEMIA ARCHERIANA Bailey Lythraceae.

736. Port Moresby. Tree to 7 m.; lavender flowers. Wild.

349593. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

734. Department of Agriculture Stock and Fisheries, Quarantine Station, Laloki, near Port Moresby. Tomato variety 'Crown Bee' (N. G. 6416). Vigorous in growth, fruit 5 cm. diameter, watery, sets well in hot weather; *Fusarium* and nematode resistant; originally from Darwin, Australia. Cultivated.

349594. LYCOPODIUM sp. Lycopodiaceae.

179. Patep #2 Villiage. Epiphytic; pendent to 46 cm., scales distichous, flattened. Wild.

349595. MARANTA sp. Marantaceae.

234. Kassam Pass. Terrestrial herb to 76 cm.; leaf green, flower bracts rose. Wild.

349596. MAURANDIA ERUBESCENS (D. Don) Gray Scrophulariaceae.

95. Along road Wau to Edie Creek. Elevation 914 m. Semiwoody vine; many rose-pink, tubular flowers to 5 cm. long.

349550 to 349623—Continued

349597. MEDINILLA sp. Melastomaceae.

215. On Hill above Kainantu-Aiyura Road. Woody shrub in deep forest; ridged stems, pedicel red, fruit black. Wild.

349598. MUSA MACLAYI F. Muell. Musaceae.

730. Collected from the wild near Lae by Dr. George Argent. Peduncle erect. Fruit obovoid five angled, orange red, 7–10 cm. long. Male bud green. Wild.

349599. MUSA SHIZOCARPA Simmonds.

731. Collected from the wild near Lae by Dr. George Argent. Peduncle hanging. Fruit many, long obovoid to 13 cm. long, well spaced in the bunch, dark green when ripe, shizocarpic. Male bud green. Wild.

349600. MUSSAENDA SCRATCHLEYI Wernham Rubiaceae.

169. Patep #2 Village. Woody shrub; enlarged calyces, ovate, white; flowers yellow. Wild.

349601. MUSSAENDA sp.

170. Lax climber; enlarged calyces oblong; flowers small, orange. Wild.

349602. OLEARIA MONTICOLA F. M. Bailey Compositae.

591. Mt. Wilhelm. Elevation 3,594 m. Shrub to 4.5 m.; leaves opposite, dark green above; brown tomentose below; inflorescence a thyrse. Wild.

349603. OLEARIA sp.

620. Mt. Wilhelm. Elevation 3,594 m. Erect shrub to 3 m.; leaves opposite, oblong, to 6 cm., slightly toothed; inflorescence lateral and subterminal; twigs, leaves and buds covered with brown tomentum. Wild.

349604. OLEARIA sp.

621. Mt. Wilhelm. Elevation 3,594 m. Lax shrub to .09 m.; leaves alternate, dentate, densely tomentose below; 6 cm. long; inflorescence subterminal, compound; flowers white to 1.5 cm. Wild.

349605. PHALERIA sp. Thymeliaceae.

768. Department of Forests, Brown River. Understory shrub to 1.2 m.; flowers white, fruits red. Wild.

349606. PHASEOLUS ATROPURPUREUS Moc. & Sesse ex DC. Leguminosae.

726. 'Siratro'. Kindeng Forest Nursery. Mt. Hagen. Trailing vine with maroon flowers. Cultivated.

349607. PITTOSPORUM sp. Pittosporaceae.

536. Moromauli, on road Kainantu to Ekuam. Tree to 18 m. Wild.

349608. SAURAUIA sp. Saurauiaceae.

182. Patep #2 Village. Woody shrub to 2.4 m. Branches scabrous. Inflorescence lateral; flowers white or tinged pale pink. Wild.

349609. SAURAUIA sp.

638. On trial just above Keglsugl airstrip. Tree to 7.6 m.; leaves to 20 cm.; flowers white, 3 cm. diameter. Wild.

349610. SCAEVOLA OPPOSITIFOLIA Roxb. Goodeniaceae.

84. Meri Creek. Elevation 1,371 m. Scrambling vine; leaves opposite; flowers yellow, five petaled, tube partially split on one side. Wild.

349611. SCHEFFLERA sp. Araliaceae.

689. Korn Farm Nusery, Department of Forests. Mt. Hagen. Elevation 1,676 m. Ornamental tree with umbrella of palmately compound leaves. Wild.

349612. SOLANUM MELONGENA L. Solanaceae. **Eggplant.**

833. 'Terongglatik'. Horticultural Research Institution, Tjiponas, Java. Fruits perfectly round 5 cm. diameter, high quality, light purple. Wild.

349550 to 349623—Continued

349613. TACCA PINNATIFIDA Forst. Taccaceae. **Fiji arrowroot.**

740. Department of Forests, Brown River. Roadside weed. Herb with dissected leaves and tall stout inflorescence having tendril like cataphylls interspersed with flowers, fruit a capsule, to 2.5 cm. long, green. Wild.

349614. TEPHROSIA VOGELII Hook. f. Leguminosae.

162. Patep #2 Village. Well branched plants to 3.7 m.; flowers white. Cultivated.

349615. TRICHOSANTHES sp. Cucurbitaceae.

566. Near Kundiawa. Plant not seen; fruit 23 cm. long by 7.6 cm. thick, smaller at ends; orange red. Said to be edible. Cultivated.

349616. TRICHOSANTHES sp

728. Botanic Garden, Division of Botany, Lae. Vigorous woody climber with palmately compound leaves, 3–5 leaflets to 15 cm. long, to 9.5 cm. wide. Fruit hard shelled, red, 14 cm. by 10 cm. Seeds to 2.5 cm. long, hairy, embedded in blackish-green pulp, said to be edible. Cultivated.

349617. Undetermined. Zingiberaceae.

147. Patep #2 Village. Plant to 1.8 m., few long oblong leaves, distichously arranged; inflorescence terminal, branched, recurved; pedicels and ovaries red; flowers orange. Wild.

349618. Undetermined.

415. Trail Oregenang to Mindik. Tree with yellow flowers; tube 5 cm. long, narrow; limb 6 petaled, 1.75 cm. Wild.

349619. Undetermined. Rutaceae.

589. Mt. Wilhelm. Elevation 3,594 m. Shrub to 3 m.; foliage dark green, attractive, leaves entire to three lobed, obovate; leaflets to 3 cm. long; flowers 1 cm.; fruit usually four lobed, each .05 cm. Wild.

349620. Undetermined. Compositae.

605. Mt. Wilhelm. Elevation 3,594 m. Small herb to 15 cm.; flower heads 3 cm., pale lavender. Wild.

349621. Undetermined. Ericaceae.

608. Near Lake Aunde, Mt. Wilhelm. Shrub to 3 m.; boxlike foliage; fruit 1 cm. long, black, inferior ovary. Wild.

349622. Undetermined. Myrtaceae.

617. 'Jamani'. Near Lake Aunde, Mt. Wilhelm. Ovate densely set on twigs; .075 cm. long; fruit a berry with five calyx lobes attached; .05 cm. diameter; aromatic. Wild.

349623. Undetermined. Marantaceae.

698. Bird-of-Paradise Sanctuary, Baiyer River. Terrestrial perennial herb to .091 m.; fruits red. Wild.

349624 and 349625.

From Philippines. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland, for USDA-Longwood Cooperative Program. Received April 21, 1970.

349624. ARDISIA PYRAMIDALIS Roth Myrsinaceae.

787. Horticulture Division. Department of Agronomy, University of Philippines, Laguna, Philippines. Originally from Mt. Maquiling. Shrub to 1 m.; leaves large, flowers pink, small; fruit reddish.

349625. HIBISCUS ROSA-SINENSIS L. Malvaceae. **Chinese hibiscus.**

788. Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Shrub to 4 m. with single red flowers. Prolific seeder. Cultivated.

349626 to 349631.

From Indonesia. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland, for USDA-Longwood Cooperative Program. Received April 21, 1970.

349626. DIOSPYROS DISCOLOR Willd. Ebenaceae.

820. Research Institute for Industrial Crops, Bogor. Large tree, producing fruits larger than average for this species. Cultivated.

349627. ENTADA sp. Leguminosae.

835. Botanic Garden, Bogor. Large, woody vine, producing pods 30 cm. long; seeds 6 cm. by 1.7 cm. Used for making novelties. Cultivated.

349628. FICUS VARIEGATA Blume Moraceae. **Fig.**

830. Mountain Botanic Garden, Tjibodas, Java. Large tree. Fruit 5 cm. diameter, reddish purple, borne on upper trunk and larger branches. Edible. Wild.

349629. IMPATIENS PLATYPETALA Lindl. Balsaminaceae. **Snapweed.**

821. Mountain Botanic Garden, Tjibodas. Herb to 30 cm. Flowers purple with dark eyes. Wild.

349630. OCHNA KIRKII Oliver Ochnaceae.

819. Institute for Horticultural Research, Pasarminggu, Java. Much-branched shrub to 3 m.; five-petaled flowers, yellow, 5 cm. across; calyces and receptacle red; fruits usually two, black, to 1 cm. long. Cultivated.

349631. TEPHROSIA CANDIDA DC. Leguminosae.

832. Research Institute for Industrial Crops, Bogor. Herb to 1.8 m.; white flowers. Cultivated.

349632. MICROCITRUS AUSTRALIS (Planch.) Swingle Rutaceae. **Australian round lime.**

From Australia. Seed presented by The Government Botanist, Department of Primary Industries, Brisbane, Queensland. Received April 29, 1970.

Collected in forest 256, Imbil, Queensland; 26°28′ S. 152°39′ E. Collected March 20, 1970.

349633. MUCUNA BRACHYCARPA Rechinger Leguminosae.

From New Guinea. Seed presented by Botanic Garden, Department of Forests, Lae. Received April 30, 1970.

Vigorous vine. Flowers yellow.

349634. TRIFOLIUM PALLESCENS Schreb. Leguminosae.

From Austria. Seed presented by George Gartner, Curator, Botanical Institute, University of Innsbruck. Received April 20, 1970.

Mountain Patscherkofel. Elevation 1,900 m.

349635 and 349636.

From India. Seed presented by N. D. Arora, Punjab Agricultural University, Hissar. Received April 21, 1970.

349635. GOSSYPIUM ARBOREUM L. Malvaceae.
G27.

349636. GOSSYPIUM HIRSUTUM L. Malvaceae. **Upland cotton.**
320F.

349637. HORDEUM VULGARE L. Gramineae. **Barley.**

From Japan. Seed presented by S. Yasuo, Ministry of Agriculture and Forestry, Kasumigaeseki, Chiyoda-ku, Tokyo. Received April 23, 1970.

05.0024. 'Kikai-hadaka'.

349638. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

From Australia. Seed presented by H. J. Sims, Department of Agriculture, Box 4040, G.P.O., Melbourne, Victoria. Received April 22, 1970.

'Gamenya'. State Research Farm, Werribee.

349639. AVENA SATIVA L. Gramineae. **Common oat.**

From Sweden. Seed presented by Gunnar Svenson, Plant Breeding Institute Weibullsholm, Landskrona. Received April 23, 1970.

'Ponta'.

349640. THAUMATOCOCCUS DANIELLI (Benn.) Benth. **Marantaceae.**

From Ghana. Seed collected by M. A. Adansi, Crops Research Institute, Bunso-Bosuso. Received March 10, 1970.

349641. MELILOTUS OFFICINALIS (L.) Lam. Leguminosae. **Yellow sweetclover.**

From Spain. Seed presented by A. Bermejo Zuazua, Instituto Nacional de Investigaciones Agronomicas, Granja-Escuela Jose Antonio, Valladoid. Received April 11, 1970.

Slight mixture with *Coronilla* and *Silene*.

349642 to 349646.

From Australia. Seed presented by Plant Introduction Section, Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra. Received April 27, 1970.

349642 and 349643. CLITORIA TERNATEA L. Leguminosae.

349642. C.P.I. 46600. Senegal.

349643. C.P.I. 47187. Sudan.

349644. STYLOSANTHES GUYANENSIS (Aubl.) Swartz Leguminosae.
C.P.I. 11497. Brazil.

349645. STYLOSANTHES SUBSERICEA Blake
C.P.I. 38605. Rockefeller Foundation, Mexico (7365–IN).

349646. UROCHLOA STOLONIFERA (Fossens) Chippendall Gramineae.
C.P.I. 47177. South Africa.

349647. GLYCINE USSURIENSIS Regel & Maack Leguminosae.

From Korea. Seed presented by Tchang B. Lee. Department of Forestry, College of Agriculture, Seoul University, Suwon.
Received April 24, 1970.

Collected near Suwon and grown in garden of T. B. Lee.

349648 to 349650.

From Rumania. Seed presented by Station de Recherches et Experiences Forestieres, Timisoara, Padurea Verde. Received April 22, 1970.

349648. CARAGANA ARBORESCENS Lam. Leguminosae. **Siberian pea-tree.**
84. (Index Seminum–1969)

349649. CYTISUS ELONGATUS Waldst. & Kit. Leguminosae. **Broom.**
145. (Index Seminum–1969)

349650. PINUS SYLVESTRIS L. Pinaceae. **Scotch pine.**
31. (Index Seminum–1969)

349651 to 349655.

From India. Seeds presented by P. N. Mehra, Panjab University, Chandigarh, under Public Law 480 Project A7–CR–193.
Received April 13, 1970.

349651. CENCHRUS PENNISETIFORMIS Hochst. & Steud. ex Steud. Gramineae.
Harwan, Kashmir Valley, Western Himalayas. Sept. 1969.

349651 to 349655—Continued

349652. ELEUSINE CORACANA (L.) Gaertn. Gramineae.

Ging, Darjeeling. Elevation 1,200 m. Oct. 1969.

349653. PASPALUM SCROBICULATUM L. Gramineae.

Jalapahar, Darjeeling. Elevation 2,160 m. Oct. 1969.

349654. SACCIOLEPIS INDICA (L.) Chase Gramineae.

Badamtam, Darjeeling. Elevation 900 m. Oct. 1969.

349655. SPOROBOLUS INDICUS auctt., non (L.) R. Br. Gramineae.

Dooteriah, Darjeeling. Elevation 800 m.

349656 to 349666.

From Denmark. Seed presented by Georg Schlatzer, Manager, Desert Arboretum, Hvedde. Received April 15, 1970.

349656 and 349657. HIPPOPHAE RHAMNOIDES L. Elaeagnaceae. **Common sea-buckthorn.**

349656. Rubjerg. West coast of North Jutland, due west of Hjorring, 1.4 km. from coastal shore. In dune flats on top of escarpment.

349657. Osterbol, southwest shore of Liim Fiord 2 km. east of Kabbel. Clay coastal escarpment.

349658. LONICERA PERICLYMENUM L. Caprifoliaceae. **Woodbine.**

Femmoller. About 400 m. from northwest shore of Ebeltoft Bay, Djursland, east central Jutland. Dry, sandy soil.

349659. PRUNUS SPINOSA L. Rosaceae. **Blackthorn.**

Femmoller. About 400 m. from northwest shore of Ebeltoft Bay, Djursland, east central Jutland. Dry, sandy soil.

349660. RHAMNUS FRANGULA L. Rhamnaceae. **Glossy buckthorn.**

Bjorslev Krat. Southwest of Herning, central Jutland.

349661 and 349662. ROSA CANINA L. Rosaceae.

349661. Feggeklit, Ostend. East shore of Feggeklit, northernmost part of Mors in the Liim Fiord, North Jutland.

349662. Femmoller. About 400 m. from northwest shore of Ebeltoft Bay, Djursland, east central Jutland. Dry, sandy soil; about 30 m. along shoreline.

349663. ROSA DUMALIS Bechst.

Hirsholmen. Low island just outside Frederikshavn, North Jutland. On sand among boulders.

349664. ROSA RUBIGINOSA L. **Sweetbrier.**

Tise, northwest shore of Hvalpsund, southeast of Liim Fiord about 10 m. along shoreline. Clay soil.

349665. ROSA SPINOSISSIMA L. **Scotch rose.**

Toftom Bjerge. Southwest shore of Liim Fiord, 13 km. east of Kabbel, about 45 m. along shoreline. Dune flats on top of coastal escarpment.

349666. SORBUS AUCUPARIA L. Rosaceae. **European mountain-ash.**

Bjorslev Krat, southwest of Herning, central Jutland. About 30 m. along shoreline.

349667 to 349669. SACCHARUM (hybrid) Gramineae. Sugarcane.

From Malaysia. Cuttings presented by the Faculty of Agriculture, University of Malaysia, Kuala Lumpur. Received May 7, 1970.

349667. 70/003/Phg.

349668. 70/004/Phg.

349669. 70/007/T.

349670. ORYZA SATIVA L. Gramineae.

From Philippines. Seed presented by T. T. Chang, The International Research Institute, Los Banos, Laguna. Received May 1, 1970.

2751. Milagrosa.

349671 and 349672. ZEA MAYS L. Gramineae. **Corn.**

From Nigeria. Seed presented by J. Craig, United States Agency for International Development, Ibadan. Received April 24, 1970.

349671. B14 × (024–2–4–1 × B14).

349672. (Hays Golden × 024–2–4–1) × 'Hays Golden.'

349673 to 349675. VIGNA UNGUICULATA (L.) Walp. Leguminosae. **Cowpea.**

From Australia. Seed presented by the Cunningham Laboratory, Mill Road, St. Lucia, Queensland. Received April 24, 1970.

349673. 62SL7.

349674. 'Aloomba' (58NL570).

349675. 'Mulgrave' (58NL452).

349676 and 349677. PANICUM MAXIMUM Jacq. Gramineae. **Guineagrass.**

From Australia. Seed presented by B. Graf, Senior Agrostologist, Primary Industries Research Station, South Johnstone, Queensland. Received February 13, 1970.

349676. C.P.I. 37910.

349677. 'Innisfarl'.

349678 to 349684.

From Finland. Seed presented by H. Ahokas, Institute of Genetics, The University, Helsinki. Received April 30, 1970.

349678 to 349682. HORDEUM VULGARE L. Gramineae. **Barley.**

349678. HA 9–63–1.

349679. HA 9–63–2.

349680. HA 9–63–4.

349681. HA 9–63–8.

349682. HA 21. Spontaneous mutant from spring barley 'Pirkka'.

349683 and 349684. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

349683. HA 9–39–1.

349684. HA 9–40–01.

349685. LIMNANTHES DOUGLASII R. Br. Limnanthaceae. **Meadowfoam.**

From France. Seed presented by Jardin Botanique de Strasbourg, Strasbourg. Received April 29, 1970.

349686. HOYA sp. Asclepiadaceae.

From New Guinea. Seed presented by Lae Botanic Garden, Department of Forests, Lae. Received April 30, 1970.

N.G.F. 48509. Originally from Bougainville. Flower 2.5 cm., dark red, in large clusters.

349687. CARTHAMUS OXYACANTHUS Bieb. Compositae.

From Pakistan. Seed presented by Medicinal Plant Botanist, Pakistan Forest Institute, Peshawar under P.L. 480 Project A17–FS–14. Received January 14, 1970.

349688. DIGITARIA EXILIS (Kippist) Stapf Gramineae.

From Nigeria. Seed presented by O. J. Webster, Institute for Agricultural Research, Samaru, Zaria. Received April 27. 1970.

Riyom, Jos Plateau. Local name Fundi. Seed used for food in parts of Africa.

349689 and 349690. AVENA SATIVA L. Graminae. **Common oat.**

From Germany. Seed presented by E. Rehse, F. von Lochow-Petkus GMBH, Wetze uber Northeim. Received May 6, 1970.

349689. 'Flamingsperle'.

349690. 'Peragold'.

349691 to 349702.

From India. Tubers presented by A. Abraham, Department of Botany, University of Kerala, Trivandrum under Public Law 480 Project A7–CR–178. Received February 16, 1970.

349691 to 349697. DIOSCOREA ALATA L. Dioscoreaceae. **Winged yam.**

349691. Di. 67–01. Stems quadrangular, branching, twining, green. Bulbils irregular; petiole violet at both ends. Leaves cordate-sagittate, deep sinus. Tubers branched, ovoid, outer skin dark, inner skin pink, flesh cream.

349692. Di 67–02. Stems quadrangular, branching, twining, green. Leaves cordate-sagittate. Tubers branched, irregular, flattened; outer skin dark, inner skin light yellow, flesh red tinged cream.

349693. Di. 67–03. Stem quadrangular, much branched, twining, green with purple wings. Leaves dark green, almost sagittate. Tubers cylindrical, branched or lobed, outer skin dark brown, inner skin purple. Flesh soft, cream white.

349694. Di. 67–11. Stem slightly angled, branched twining, purple. Leaves cordate with colored margin. Tubers clustered, long-cylindrical, outer skin purple, inner skin, deep purple. Flesh soft, pink.

349695. Di. 67–14. Stem angled, branched, twining, stout, green with violet margins. Leaves sagittate. Tubers branched, cylindrical, outer skin dark, inner skin light purple. Flesh white.

349696. Di. 68–03. Stem twining, green, basal prickles. Bulbils present. Petiole, round green. Leaves broad cordate with shallow sinus. Tubers branched, short-cylindrical, flattened with broad base. Outer skin dark, inner skin cream, flesh white.

349697. Di. 69–05. Stem branched, twining, brown. Leaves dark green, smaller than those of other *D. alata* varieties. Bulbils small, round, slightly flattened. Tubers cylindrical, outer skin dark, inner skin pink, flesh orange red.

349698. DIOSCOREA BULBIFERA L. **Airpotato.**

Di. (w) 68–01. Wild. Stem less branched, slender. Leaves cordate, 9–13 nerves, shallow sinus. Bulbils large, spherical: outer skin cracks characteristic: used for propagation. Tubers small, conical or pear shaped.

349699 to 349701. DIOSCOREA ESCULENTA (Lour.) Burkill **Lesser yam.**

349699. Di. 67–20. Stem much branched, twining slender, dark grey. Prickles on stem and petiole. Leaves hard, round-cordate. Tubers smaller than *D. alata*, bunched, stalked. Skin pale yellow, flesh white. Local variety.

349700. Di. 67–21. Stem much branched, twining, round. Prickles on stem and petiole. Leaves alternate, larger than those of P.I. 349699, cordate with wide, shallow sinus. Tubers bunched, larger than those of P.I. 349699, cylindrical hairy, outer skin dull yellow, flesh white.

349691 to 349702—Continued

349699 to 349701—Continued

349701 Di. 68–09. Stem much branched, twining, round, dark. Leaves alternate, round cordate, smaller than those of P.I. 349700. Tubers smaller, less hairy than those of P.I. 349700, stalked, bunched. Outer skin dull grey, flesh soft, white.

349702. DIOSCOREA SATIVA L. **Common yam.**

Di. 69–04. Stem branched, twining, slender, quadrangular, green with light violet margins. Large, smooth bulbils characteristics; outer skin, yellowish brown; inner skin deep green; flesh, very light green; used for propagation. Tubers small.

349703 to 349705.

From Japan. Plants and cuttings presented by W. H. Hodge, National Science Foundation, Tokyo. Received May 11, 1970.

349703. BROUSSONETIA KAEMPFERI Sieb. Moraceae.

349704. BROUSSONETIA KAZINOKI Sieb.

349705. BROUSSONETIA PAPYRIFERA (L.) Vent.

349706. POLYGONATUM sp. Liliaceae.

From Japan. Rhizomes presented by W. H. Hodge, National Science Foundation, Tokyo. Received May 11. 1970.

Botanical Garden, Kochi. Ornamental variegate leafed form.

349707 to 349711. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Germany. Tubers presented by the Max-Planck-Instut fur Zuchtungsforschung, Koln-Vogelsang. Received May 13, 1970.

349707. 64.957/243.

349708. 65.318/7.

349709. 66.1003/42.

349710. 67.57/3.

349711. 67.63/3.

349712 to 349717.

From Australia. Seed presented by Commonwealth Scientific and Industrial Research Organizaion, Division of Plant Industry, Plant Introduction Section, Canberra. Received April 28, 1970.

349712. ACACIA BAILEYANA F. Muell. Leguminosae. **Cootamundra-wattle.**

349713. EUCALYPTUS MACULATA Hook. Myrtaceae. **Spotted gum.**

349714. EUCALYPTUS ROSSII Bak. & Smith

349715. EUCALYPTUS SALIGNA J. E. Smith

349716. KENNEDIA NIGRICANS Lindl. Leguminosae.

349717. SCLERANTHUS BIFLORUS (Forst.) Hook. f. Caryophyllaceae.

349718 to 349723. FRAGARIA VESCA L. Rosaceae. Strawberry.

From France. Plants presented by Marc Darbonne, Le Barp, Gironde. Received January 12, 1970.

349718. 'Gorella'.

349719. 'Hummi Grande'.

349720. 'Madame Moutot'.

349721. 'Marie-France'.

349722. 'Merton Princess'.

349723. 'Remontante de Macherauch'.

349724. GLADIOLUS sp. Iridaceae.

From Brazil. Seed collected by M. B. Skvortzov, Instituto de Botanica, Secretaria de Agriculture, Sao Paulo. Received April 28, 1970.

Wild on mountain slope in Parque do Estado do Sao Paulo.

349725. ORYZA SATIVA L. Gramineae.

From Japan. Seed presented by Shooichi Matsunaka, National Institute of Agricultural Sciences, Konosu, Saitama. Received May 6, 1970.

Mutant of 'Norin No. 8'.

349726 and 349727.

From United States. Plants selected at Regional Plant Introduction Station, Pullman, Wash. Received September 3, 1969.

349726. POA ARARATICA Trautv. Gramineae.

Selection from P.I. 330718.

349727. PHLEUM MONTANUM C. Koch. Gramineae.

Selection from P.I. 325299.

349728. DATURA sp. Solanaceae.

From Ecuador. Cuttings collected by Tom Lockwood, Longwood Gardens, Kennett Square, Pennsylvania. Received February 1, 1969.

461.

349729. PHASEOLUS LUNATUS L. Leguminosae. **Lima bean.**

From United States. Seed presented by E. N. O'Rourke, Department of Horticulture, Louisiana State University, Baton Rouge, La. Received April 28, 1970.

'Jennings's Pole Lima'. Upright vine to 188 cm. Pod 5.1 cm. long, seed small, green turning white. Early. Resistant to powdery mildew and leaf blight.

349730. PHASEOLUS VULGARIS L. Leguminosae. **Bean.**

From United States. Seed presented by Mrs. Funkhauser, Wawasai, Wash. Received April 28, 1970.

Plant vine, seed white. Snap bean of good flavor for canning. Grown many years in gardens of Platte and Goshen counties, eastern Wyoming.

349731 to 349747. VITIS VINIFERA L. Vitaceae. **European grape.**

From Union of Soviet Socialist Republics. Cuttings presented by the N. I. Vavilov All-Union Institute of Plant Industry, Leningrad. Received April 22, 1970.

349731. 'Aromatic'. Uzbek Experiment Station, Samarkand.

349732. 'Chaush white'. All-Union Institute, Tashkent.

349733. 'Dzhandzhar-Kara'. All-Union Institute, Tashkent.

349734. 'Guzal-Kara'. All-Union Institute, Tashkent.

349735. 'Kara Dzhidzhigi'. All-Union Institute. Tashkent.

349736. 'Katta-Kurgan'. All-Union Institute, Tashkent.

349737. 'Khusaine white'. All-Union Institute, Tashkent.

349738. 'Khodzha okhrai'. All-Union Institute, Tashkent.

349739. 'Kishmish early'. All-Union Institute, Tashkent.

349740. 'Kishmish rose'. All-Union Institute, Tashkent.

349741. 'Nukhurskii white'. All-Union Institute. Tashkent.

349742. 'Rizamat'. Uzbek Experiment Station, Samarkand.

349743. 'Taifi Rose'. Uzbek Experiment Station, Samarkand.

349744. 'Tana Kuzy'. Uzbek Experiment Station, Samarkand.

349745. VIR No. 1. All-Union Institute, Tashkent.

349746. VIR No. 2. All-Union Institute, Tashkent.

349747. 'Volgo-Don'. All-Union Institute, Tashkent.

349748 to 349754. HEMARTHRIA ALTISSIMA (Poir.) Stapf & Hubb. Gramineae. **Limpograss.**

From South Africa. Stolons presented by T. C. Nel, Division of Seed Control, Department of Agricultural Technical Services, Pretoria. Received May 7, 1970.

349748. Pienaarsrivier, Transvaal.
349749. Pongola, Natal.
349750. St. Lucia Lake, Natal.
349751. Steelpoort, Transvaal.
349752. Limpopo, Transvaal.
349753. Kenya.
349754. Plot 35.

349755. DATURA MOLLIS Safford Solanaceae.

From Peru. Cuttings collected by Tom Lockwood, Longwood Gardens, Kennett Square, Pennsylvania. Received February 11, 1969.

523. Lima, Peru.

349756 to 349758.

From Colombia. Cuttings collected by Tom Lockwood, Longwood Gardens, Kennett Square, Pennsylvania. Received February 11, 1969.

349756. DATURA sp. Solanaceae.

440. Instituto de Ciencias Naturales, Universidad de Colombia, Botota.

349757. DATURA sp.

473. The Association for Tropical Biology, Incorporated, Bogota.

349758. DATURA sp.

481. The Association for Tropical Biology, Incorporated, Bogota.

349759. DATURA sp. Solanaceae.

From France. Plant presented by J. Marnier Lapostole, "Less Cedres", St. Jean Cap-Ferrat. Received November 17, 1969.

349760 to 349770. SOLANUM TUBEROSUM L. Solanaceae. **Potato.**

From Union of Soviet Socialist Republics. Tubers presented by V. S. Lekhnovitch, N. Vavilov All-Union Institute of Plant Industry, Leningrad. Received June 2, 1969.

349760. 'Carivnycja'.
349761. 'Iskra'.
349762. 'Izstades'.
349763. 'Kurganskij'.
349764. 'Losickij'.
349765. 'Olev'. Latvia.
349766. 'Priekulskij Early'.
349767. 'Smacnyj'.
349768. 'Sulev'. Latvia.
349769. 'Temp'.
349770. 'Volzhskij'.

349771 to 349782. SOLANUM TUBEROSUM L. Solanaceae. **Potato.**

From Union of Soviet Socialist Republics. Tubers collected in Chile presented by V. S. Lekhnovitch, N. Vavilov All-Union Instiute of Plant Industry, Leningrad. Received June 2, 1969.

349771. K–7504. Cualin Alto.
349772. K–7506. Quemchi.
349773. K–7511. Isla Caucahua.
349774. K–7513. Queler, Isla Caucahua.
349775. K–7515. Queler, Isla Caucahua.
349776. K–7516. Isla Caucahua.
349777. K–7543. Isla Llingua Capilla.
349778. K–7554. Caulin Alto.

349771 to 349782—Continued

349779. K–7580.

349780. K–7583.

349781. K–7588. Chiloe, Cucao Rohue.

349782. K–7597. Chiloe, Ancud (Market).

349783 to 349794. Solanum tuberosum L. Solanaceae. Potato.

From Scotland. Tubers presented by J. L. Hardie, Department of Agriculture and Fisheries for Scotland, Agricultural Scientific Services, Edinburgh. Received March 5, 1970.

349783. 'Adirondack'.

349784. 'Champion'.

349785. 'Edzell Blue'.

349786. 'Forty Fold'.

349787. 'Gregor Cups'.

349788. 'Irish Whites'.

349789. 'Myatts Ashleaf Kidney'.

349790. 'President'.

349791. 'Rocks'.

349792. 'Rural New Yorker'.

349793. 'The Towse'.

349794. 'Yam'.

349795 to 349798. Hemarthria altissima (Poir.) Stapf & Hubb. Gramineae. Limpograss.

From South Africa. Stolons presented by T. C. Nel, Division of Seed Control, Department of Agricultural Technical Services, Pretoria. Received May 13, 1970.

349795. Cedara College of Agriculture, Pietermaritzburg, Natal.

349796. N68/37.

349797. N68/45.

349798. N69/302.

349799 to 349802. Poa pratensis L. Gramineae. Kentucky bluegrass.

From Canada. Seed presented by J. Drew Smith, Research Station, Canada Department of Agriculture, Saskatoon, Saskatchewan. Received May 19, 1970.

349799. 'Captan'. Zwaan en de Wiljes, Scheemda, Netherlands. Broad-leaved, turf type; late maturity. Resistant to powdery mildew and rust.

349800. 'Delft'. Netherlands. Narrow-leaved, turf type; midseason maturity. Resistant to powdery mildew and rust.

349801. 'Monarch'. England. Broad-leaved, turf type: late maturity. Resistant to powdery mildew and rust.

349802. 'IV 89 59'. Hungary. Narrow-leaved, forage type; early maturity. Resistant to powdery mildew and rust.

349803 to 349838. Hordeum (hybrid). Gramineae. Barley.

From Israel. Seed presented by I. Walh, Division of Mycology and Plant Pathology. Tel-Aviv University, Tel-Aviv. Received May 20, 1970. Received May 20. 1970.

349803. Kefar Vitkin, Central Coastal Plain. Single spike.

349804. Nebi Yousha, Upper Galilee. Single spike.

Judean foothills. Neve Michael. Single spike.

349805. No. 1.

349806. No. 2.

349807. No. 3.

349803 to 349838—Continued

349808. No. 4.
349809. No. 5.
349810. No. 6.
349811. No. 7.
349812. No. 8.
Judean foothills, road. Single spike.
349813. No. 1.
349814. No. 2.
349815. No. 3.
349816. No. 4.
349817. No. 5.
349818. No. 6.
349819. No. 7.
349820. No. 8.
349821. No. 9.
349822. No. 10.
349823. No. 11.
349824. No. 12.
Judean foothills 688. Single spike.
349825. No. 1.
349826. No. 2.
349827. No. 3.
349828. No. 4.
349829. No. 5.
349830. No. 6.
349831. No. 7.
349832. No. 8.
349833. No. 9.
349834. No. 10.
349835. No. 11.
349836. No. 12.
349837. No. 13.
349838. No. 14.

349839 to 349844.

From Union of Soviet Socialist Republics. Seed presented by W. L. Komarov Botanical Institute, Academy of Sciences, Leningrad. Received May 19, 1970.

349839. ALYSSUM ARGENTEOIDES Nyar Cruciferae.
349840. HERACLEUM SOSNOWSKYI Manden Umbelliferae.
349841. IBERIS GIBRALTARICA L. Cruciferae.
349842. POLYGONUM WEYRICHII F. Schmidt Polygonaceae.
349843. RHAPONTICUM CARTHAMOIDES (Willd.) Iljin Compositae.
349844. SILPHIUM PERFOLIATUM L. Compositae.

349845 to 349849. PHASEOLUS VULGARIS L. Leguminosae. **Common bean.**

From France. Seed presented by H. Bannelot, Station Centrale d'Amelioration des Plantes, Versailles. Received May 8, 1970.

Resistant to authracnose.

349845. 'Confinel'.

349846. 'Maxidor'.

349847. 'Pronel'.

349848. 'Silvert'.

349849. 'Verdon'.

349850 to 349852. VIGNA UNGUICULATA (L.) Walp. Leguminosae. **Cowpea.**

From Australia. Seed presented to Glenn D. Burton by the Cunningham Laboratory, Mill Road, St. Lucia, Queensland. Received May 7, 1970.

349850. 'Brandon'.

349851. 'Meringa' (58NL253).

349852. 'Pyramid' (58NL558).

349853. PHASEOLUS VULGARIS L. Leguminosae. **Common bean.**

From Germany. Seed presented by Van Waveren-Pflanzenzucht, Rosdorf uber Gottingen. Received May 14, 1970.

'Topfix'.

349854 to 350272.

From Yugoslavia. Seed presented by the Plant Breeding and Genetics Department, Institute of Small Grains, Kragujevac, under Public Law 480 Project E30–CR–38. Received February 3, 1970.

349854 to 349890. AVENA SATIVA L. Gramineae. **Common oat.**

349854. 1–1/69. Zvornic, Bosnia.

349855. 2–2/69. Olovo, Bosnia.

349856. 3–23/69. Bjelo Babe, Serbia.

349857. 4–32/69. Podpec, Serbia.

349858. 5–34/69. Lisa-Ivanjica, Serbia.

349859. 6–36/69. Lisa-Ivanjica, Serbia.

349860. 7–29/69. Nova Varos, Serbia.

349861. 8–30/69. Nova Varos, Serbia.

349862. 9–28–69. Cotraza, Serbia.

349863. 10–18/69. Cacac, Serbia.

349864. 11–3/69. Jelica-Cacac, Serbia.

349865. 12–4/69. Jelica-Cacac, Serbia.

349866. 13/69–7/69. Bedina-Ivanjica, Serbia.

349867. 14–8/69. Bedina-Ivanjica, Serbia.

349868. 15–5/69. Crupanj, Bosnia.

349869. 16–6/69. Crupanj, Bosnia.

349870. 17–16/69. Bedina-Ivanjica, Serbia.

349871. 18–17/69. Bedina-Ivanjica, Serbia.

349872. 19–33–a/69. Podpec, Serbia.

349854 to 350272—Continued

349854 to 349890—Continued

349873. 20–33–b/69. Podpec, Serbia.
349874. 21–13/69. Melnice-Petrovac na Mlavi, Serbia.
349875. 22–19/69. Grab-Jelica, Serbia.
349876. 23–30/69. Mojsinje, Serbia.
349877. 24–30–6/69. Mojsenje, Serbia.
349878. 25–35–a/69. Lisa-Ivanjica, Serbia.
349879. 26–35–b/69. Lisa-Ivanjica, Serbia.
349880. 27–26/69. Bjelo Babe, Serbia.
349881. 28–27/69. Bjelo Babe, Serbia.
349882. 29–12/69. Sipic, Serbia.
349883. 30–9/69. Sipic, Serbia.
349884. 31–11/69. Sipic, Serbia.
349885. 32–10/69. Sipic, Serbia.
349886. 33–14/69. Velica Zupa, Serbia.
349887. 34–15/69. Velica Zupa, Serbia.
349888. 35–20/69. Bistrica, Serbia.
349889. 36–21/69. Bistrica, Serbia.
349890. 37–22/69. Bistrica, Serbia.

349891 to 349907. HORDEUM VULGARE L. Gramineae. **Barley.**

349891. 1–1/69. Cladnica, Serbia.
349892. 2–2/69. Bistrica, Serbia.
349893. 3–3/69. Cladnica, Serbia.
349894. 4–5/69. Criva reca, Serbia.
349895. 5–7/69. Olovo, Bosnia.
349896. 6–8/69. Drazevica, Serbia.
349897. 7–9/69. Bistrica, Serbia.
349898. 8–10/69. Uvac-Sjenica, Serbia.
349899. 9–12/69. Cladnica, Serbia.
349900. 10–13/69. Bjelobabe, Serbia.
349901. 11–15/69. Bjelobabe, Serbia.
349902. 12–17/69. Stavalj, Serbia.
349903. 13–18/69. Cocosici Sjenica, Serbia.
349904. 14–19/69. Uvac-Sjenica, Serbia.
349905. 15–21/69. Sopocani, Serbia.
349906. 16–22/69. Urvina-N. Pazar, Serbia.
349907. 17–23/69. Vardiste, Serbia.

349908 to 349925. SECALE CEREALE L. Gramineae. **Rye.**

349908. 45. Iza Mavrova prema Gostivaru, Macedonia.
349909. 46. Zrze, Kosovo.
349910. 47. Selo Opaljenik kod Kusica, Serbia.
349911. 49. Selo Zaric kod Ivanjice, Serbia.
349912. 50. Selo Lisa, Serbia.

349854 to 350272—Continued

349908 to 349925—Continued

349913. 51. Veliko Gradiste, Serbia.
349914. 52. Ovce Polje, Macedonia.
349915. 53. Razanj, Serbia.
349916. 55. Motel Rubin Iza Paracina-Drenovac, Serbia.
349917. 56. Prilep, Macedonia.
349918. 57. Stip-Strumica, Kosovo.
349919. 58. Snagovo-Tuzla-Zvornik, Bosnia.
349920. 59. Krapovo, Macedonia.
349921. 60. Samoljice, Macedonia.
349922. 62. Golubac, Serbia.
349923. 63. Dole-put Kladanj-Vlasenica, Bosnia.
349924. 64. Samolice ispred Kumanova, Macedonia.
349925. 65. Tetovo Iza Strumice, Macedonia.

349926 to 350272. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

349926. 510–I/1. Drenovac-Sekirice, Serbia.
349927. 511–I/1. Drenovac-Sekirice, Serbia.
349928. 511/a–I/1. Drenovac-Sekirice, Serbia.
349929. 512–I/2. Drenovac-Sekirice, Serbia.
349930. 512/a–I/2. Drenovac-Sekirice, Serbia.
349931. 513–I/4. Djakovici Iza Paracina, Serbia.
349932. 514–I/4. Djakovici iza Paracina, Serbia.
349933. 515–I/4. Djakovici iza Paracina, Serbia.
349934. 516–I/4. Djakovici iza Paracina, Serbia.
349935. 518–I/5. Setke-Razanj, Serbia.
349936. 520–I/6. Setke-Razenj, Serbia.
349937. 521–I/6. Setke-Razanj, Serbia.
349938. 522–I/6. Setke-Razanj, Serbia.
349939. 523–II/1. Nis, Serbia.
349940. 524–II/1. Nis, Serbia.
349941. 525–II/1. Nis, Serbia.
349942. 526–II/2. Aleksinac, Serbia.
349943. 527–II/2. Aleksinac, Serbia.
349944. 528–II/3. Nis, Serbia.
349945. 529–II/3. Nis, Serbia.
349946. 530–II/3. Nis, Serbia.
349947. 531–II/4. Nis. Serbia.
349948. 532–II/4. Nis, Serbia.
349949. 533–II/4. Nis, Serbia.
349950. 534–III/1. Bela Crkva, Serbia.
349951. 537–III/1. Bela Crkva, Serbia.
349952. 538–I/3. Drenovac-Sekirice, Serbia.
349953. 539–III/2. Krupanj, Serbia.

349854 to 350272—Continued

349926 to 350272—Continued

349954.	541–III/2.	Krupank, Serbia.
349955.	543–III/3.	Stolice, Serbia.
349956.	544–III/3.	Stolice, Serbia.
349957.	545–III/3.	Stolice, Serbia.
349958.	546–III/3.	Stolice, Serbia.
349959.	547–III/3.	Stolice, Serbia.
349960.	548–III/4.	Ogrstice, Serbia.
349961.	549–III/4.	Ogrstice, Serbia.
349962.	550–III/4.	Ogrstice, Serbia.
349963.	551–III/4.	Ogrstice, Serbia.
349964.	552–III/4.	Ogrstice, Serbia.
349965.	553–III/5.	Vardiste, Serbia.
349966.	554–III/5.	Ogrstice, Serbia.
349967.	555–III/5.	Vardiste, Serbia.
349968.	556–III/5.	Vardiste, Serbia.
349969.	557–III/6.	Vardiste, Serbia.
349970.	558–III/6.	Vardiste, Serbia.
349971.	559–III/6.	Vardiste, Serbia.
349972.	560–III/6.	Vardiste, Serbia.
349973.	562–III/6.	Vardiste, Serbia.
349974.	563–III/7.	Vardiste, Serbia.
349975.	564–III/7.	Vardiste, Serbia.
349976.	566–III/7.	Vardiste, Serbia.
349977.	567–III/8.	Bioska-kod T. Uzica, Serbia.
349978.	568–III/8.	Bioska-kod T. Uzica, Serbia.
349979.	569–III/8.	Bioska-kod T. Uzica, Serbia.
349980.	570–III/8.	Bioska-kod T. Uzica, Serbia.
349981.	571–III/9.	Iza Bioske. Serbia.
349982.	572–III/9.	Iza Bioske. Serbia.
349983.	573–III/9.	Iza Bioske, Serbia.
349984.	575–III/9.	Iza Bioske, Serbia.
349985.	576–III/10.	Bioska-T. Uzice, Serbia.
349986.	577–III/10.	Bioska-T. Uzice, Serbia.
349987.	578–III/10.	Bioska-T. Uzice, Serbia.
349988.	580–III/11.	Bioska, Serbia.
349989.	581–III/11.	Bioska, Serbia.
349990.	582–III/11.	Bioska, Serbia.
349991.	584–III/12.	Kacevo, Serbia.
349992.	585–III/12.	Kacevo, Serbia.
349993.	586–III/12.	Kacevo, Serbia.
349994.	587–III/13.	Drazevici, Serbia.
349995.	590–III/13.	Drazevici, Serbia.

349854 to 350272—Continued

349926 to 350272—Continued

349996. 591–III/14. Velika Zupa, Serbia.
349997. 592–III/14. Velika Zupa, Serbia.
349998. 593–III/15. Podpec, Serbia.
349999. 594–III/16. Bistrica, Serbia.
350000. 595–III/16. Bistrica, Serbia.
350001. 596–III/16. Bistrica, Serbia.
350002. 597–III/17. Drazevici-N. Varos, Serbia.
350003. 598–III/17. Drazevici-N. Varos, Serbia.
350004. 599–III/17. Drazevici-N. Varos, Serbia.
350005. 600–III/17. Drazevici-N. Varos, Serbia.
350006. 601–III/18. Bjelobabe, Serbia.
350007. 602–III/19. Bjelobabe, Serbia.
350008. 603–III/19. Bjelobabe, Serbia.
350009. 604–III/19. Bjelobabe, Serbia.
350010. 605–III/19. Bjelobabe, Serbia.
350011. 606–III/20. Bjelobabe, Serbia.
350012. 607–III/20. Bjelobabe, Serbia.
350013. 608–III/20. Bjelobabe, Serbia.
350014. 609–III/20. Bjelobabe, Serbia.
350015. 610–III/20. Bjelobabe, Serbia.
350016. 611/1–III/20. Bjelobabe, Serbia.
350017. 612–III/21. Kokin Brod, Serbia.
350018. 617–III/22. Kokin Brod, Serbia.
350019. 618–III/22. Kokin Brod, Serbia.
350020. 619–III/22. Kokin Brod, Serbia.
350021. 620–III/22. Kokin Brod, Serbia.
350022. 621–III/23. Kokin Brod, Serbia.
350023. 622–III/23. Kokin Brod, Serbia.
350024. 623–III/24. Rodoinja, Serbia.
350025. 625–III/24. Radoinja, Serbia.
350026. 626–III/25. Radoinja, Serbia.
350027. 627–III/25. Radoinja, Serbia.
350028. 628–III/25. Radoinja, Serbia.
350029. 629–III/25. Radoinja, Serbia.
350030. 631–III/26. Radoinja-Pribojka, Serbia.
350031. 632–III/26. Radoinja-Pribojka, Serbia.
350032. 633–III/26. Radoinja-Pribojka, Serbia.
350033. 634–III/27. Planina Jelica, Serbia.
350034. 636–III/28. Draglica-Zlatar, Serbia.
350035. 637–III/28. Draglica-Zlatar, Serbia.
350036. 638–III/28. Draglica-Zlatar, Serbia.

349854 to 350272—Continued

349926 to 350272—Continued

350037. 639–III/28. Draglica-Zlatar, Serbia.
350038. 641–IV/1. Branicevo-Golubac, Serbia.
350039. 642–IV/2. Branicevo-Golubac, Serbia.
350040. 643–IV/3. Veliko Gradiste, Serbia.
350041. 644–IV/3. Veliko Gradiste, Serbia.
350042. 645–IV/3. Veliko Gradiste, Serbia.
350043. 646–IV/4. Melnice-Petrovac, Serbia.
350044. 647–IV/5. Brodice-Majdanpek, Serbia.
350045. 648–IV/6. Donji Milanovac, Serbia.
350046. 650–IV/6. Donji Milanovac, Serbia.
350047. 651–IV/7. D.Milanovac-Beljotina, Serbia.
350048. 652–IV/7. D.Milanovac-Beljotina, Serbia.
350049. 653–IV/8. Kosobrda, Serbia.
350050. 654–IV/9. Kumane-Vel.Gradiste, Serbia.
350051. 655–IV/10. Vel. Gradiste, Serbia.
350052. 656–IV/11. Vel. Gradiste, Serbia.
350053. 657–IV/11. Vel. Gradiste, Serbia.
350054. 658–IV/11. Vel. Gradiste, Serbia.
350055. 660–IV/12. Vel. Gradiste, Serbia.
350056. 661–IV/12. Vel. Gradiste, Serbia.
350057. 662–IV/13. Branicevo-Golubac, Serbia.
350058. 663–V/1. Vranje, Serbia.
350059. 665–V/1. Vranje, Serbia.
350060. 667–V/1. Vranje, Serbia.
350061. 667/1–V/1. Vranje, Serbia.
350062. 668–V/2. Vranjska Banja, Serbia.
350063. 669–V/2. Vranjska Banja, Serbia.
350064. 670–V/2. Vranjska Banja, Serbia.
350065. 671–V/3. Vranjska Banja, Serbia.
350066. 672–V/3. Vranjska Banja, Serbia.
350067. 673–V/3. Vranjska Banja, Serbia.
350068. 674–V/3. Vranjska Banja, Serbia.
350069. 675–V/1. Ljubizda iza Prizrena, Kosovo.
350070. 676–V/1. Ljubidza iza Prizrena, Kosovo.
350071. 677–VI/1. Ljubizda iza Prizrena, Kosovo.
350072. 679–VI/2. Sumadija, Kosovo.
350073. 680–VI/2. Sumadija, Kosovo.
350074. 882–VI/2. Sumadija, Kosovo.
350075. 683–VI/2. Sumadija, Kosovo.
350076. 684–VI/3. Dule iza Prizrena, Kosovo.
350077. 685–VI/3. Dule iza Prizrena, Kosovo.

349854 to 350272—Continued

349926 to 350272—Continued

350078. 686–VI/3. Dule iza Prizrena, Kosovo.
350079. 690–VI/4. Dule iza Prizrena, Kosovo.
350080. 691–VI/4. Dule iza Prizrena, Kosovo.
350081. 692–VI/4. Dule iza Prizrena, Kosovo.
350082. 694–VI/5. Dule iza Prizrena, Kosovo.
350083. 695–VI/5. Dule iza Prizrena, Kosovo.
350084. 698–VI/6. Stiplje, Kosovo.
350085. 699–VI/6. Stiplje, Kosovo.
350086. 700–VI/7. Pec, Kosovo.
350087. 701–VI/7. Pec, Kosovo.
350088. 702–VI/7. Pec, Kosovo.
350089. 703–VI/8. Pec, Kosovo.
350090. 704–VI/8. Pec, Kosovo.
350091. 705–VI/8. Pec, Kosovo.
350092. 706–VI/8. Pec, Kosovo.
350093. 707–VI/9. Zrze, Kosovo.
350094. 708–VI/9. Zrze, Kosovo.
350095. 710–VI/10. Zrze, Kosovo.
350096. 711–VI/10. Zrze, Kosovo.
350097. 712–VI/11. Djakovica, Kosovo.
350098. 713–VI/11. Djakovica, Kosovo.
350099. 714–VI/11. Djakovica, Kosovo.
350100. 715–VI/11. Djakovica, Kosovo.
350101. 716–VI/12. Grace Pristina, Kosovo.
350102. 717–VI/12. Grace Pristina, Kosovo.
350103. 719–VI/13. Grace Pristina, Kosovo.
350104. 720–VI/13. Grace Pristina, Kosovo.
350105. 721–VI/14. Grace, Kosovo.
350106. 723–VI/15. Srbac, Kosovo.
350107. 724–VI/15. Srbac, Kosovo.
350108. 726–VI/15. Srbac, Kosovo.
350109. 727–VI/16. Ibarske Slatine, Kosovo.
350110. 728–VI/16. Ibarske Slatine, Kosovo.
350111. 729–VI/16. Ibarske Slatine, Kosovo.
350112. 730–VI/16. Ibarske Slatine, Kosovo.
350113. 731–VI/17. Ibarske Slatine, Kosovo.
350114. 732–VI/17. Ibarske Slatine, Kosovo.
350115. 733–VI/17. Ibarske Slatine, Kosovo.
350116. 734–VI/17. Ibarske Slatine, Kosovo.
350117. 735–VI/17. Ibarske Slatine, Kosovo.
350118. 736–VII/1. Samolice, Macedonia.

349854 to 350272—Continued

349926 to 350272—Continued

350119. 737–VII/1. Samolice, Macedonia.
350120. 738–VII/1. Samolice, Macedonia.
350121. 739–VII/1. Samolice, Macedonia.
350122. 740–VII/2. Iza Samolice, Macedonia.
350123. 741–VII/2. Iza Samolice, Macedonia.
350124. 742–VII/2. Iza Samolice, Macedonia.
350125. 742/1–VII/2. Iza Samolice, Macedonia.
350126. 743–VII/3. Presevo, Macedonia.
350127. 744–VII/3. Presevo, Macedonia.
350128. 746/1–VII/3. Presevo, Macedonia.
350129. 746/2–VII/3. Presevo, Macedonia.
350130. 747–VII/4. Kumanovo, Macedonia.
350131. 748–VII/5. Stara Nagoricane, Macedonia.
350132. 751–VII/6. Stara Nagoricane, Macedonia.
350133. 752–VII/6. Stara Nagoricane, Macedonia.
350134. 753–VII/6. Stara Nagoricane, Macedonia.
350135. 754–VII/7. Kriva Reka, Macedonia.
350136. 755–VII/7. Kriva Reka, Macedonia.
350137. 757–VII/8. Pakasmarci, Macedonia.
350138. 758–VII/8. Pakasmarci, Macedonia.
350139. 759–VII/9. Kratovo, Macedonia.
350140. 760–VII/9. Kratovo, Macedonia.
350141. 761–VII/10. Probistip, Macedonia.
350142. 762–VII/11. Ispred Stipa, Macedonia.
350143. 763–VII/11. Ispred Stipa, Macedonia.
350144. 764–VII/11–a/1. Ispred Stipa, Macedonia.
350145. 764–VII/11–a/2. Ispred Stipa, Macedonia.
350146. 768–VII/12. Tetovo iza Strumice, Macedonia.
350147. 770–VII/13. Sepovo iza Strumice, Macedonia.
350148. 771–VII/12. Tetovo iza Strumice, Macedonia.
350149. 771–VII/13. Sepovo iza Strumice, Macedonia.
350150. 772–VII/14. Prilep, Macedonia.
350151. 773–VII/14. Prilep, Macedonia.
350152. 774–VII/15. Pirave, Macedonia.
350153. 775–VII/16. Kavadarci, Macedonia.
350154. 778–VII/17. Demir Kapija, Macedonia.
350155. 778–VII/17–a. Demir Kapija, Macedonia.
350156. 780–VII/18. Prilep, Macedonia.
350157. 781–VII/18. Prilep, Macedonia.
350158. 782–VII/19. Loznake iza Prilepa, Macedonia.
350159. 783–VII/19. Loznake iza Prilepa, Macedonia.

349854 to 350272—Continued

349926 to 350272—Continued

350160. 784–VII/19. Loznake iza Prilepa, Macedonia.
350161. 785–VII/19. Loznake iza Prilepa, Macedonia.
350162. 786–VII/20. Prilep, Macedonia.
350163. 787–VII/20. Prilep, Macedonia.
350164. 788–VII/20. Prilep, Macedonia.
350165. 789–VII/20. Prilep, Macedonia.
350166. 790–VII/20. Prilep, Macedonia.
350167. 792–VII/20. Prilep, Macedonia.
350168. 794–VII/21. Kazani, Macedonia.
350169. 795–VII/21. Kazani, Macedonia.
350170. 796–VII/21. Kazani, Mecadonia.
350171. 797–VII/21. Kazani, Macedonia.
350172. 798–VII/21. Kazani, Macedonia.
350173. 799–VII/22. Iza Prilepa, Macedonia.
350174. 800–VII/22. Iza Prilepa, Macedonia.
350175. 801–VII/22. Iza Prilepa, Macedonia.
350176. 802–VII/22. Iza Prilepa, Macedonia.
350177. 803–VII/22. Iza Prilepa, Macedonia.
350178. 804–VII/23. Loznane kod Prilepa, Macedonia.
350179. 805–VII/23. Loznane kod Prilepa, Macedonia.
350180. 805/1–VII/23. Loznane kod Prilepa, Macedonia.
350181. 806/1–VII/24. Germisan, Macedonia.
350181. 805/1–VII/23. Loznane kod Prilepa, Macedonia.
350182. 807–VII/25. Otesevo, Macedonia.
350183. 808–VII/25. Otesevo, Macedonia.
350184. 809–VII/25. Otesevo, Macedonia.
350185. 810–VII/25. Otesevo, Macedonia.
350186. 811–VII/26. Otesevo, Macedonia.
350187. 812–VII/26. Otesevo, Macedonia.
350188. 813–VII/26. Otesevo, Macedonia.
350189. 815–VII/26. Otesevo, Macedonia.
350190. 816–VII/26. Otesevo, Macedonia.
350191. 817–VII/27. Resan-Ohrid, Macedonia.
350192. 819–VII/27. Resan-Ohrid, Macedonia.
350193. 820–VII/27. Resan-Ohrid, Macedonia.
350194. 821–VII/28. Resan-Ohrid, Macedonia.
350195. 822–VII/28. Resan-Ohrid, Macedonia.
350196. 824–VII/28. Resan-Ohrid, Macedonia.
350197. 825–VII/29. Ohrid-Struga, Macedonia.
350198. 826–VII/29. Ohrid-Struga, Macedonia.
350199. 827–VII/29. Phrid-Struga, Macedonia.
350200. 828–VII/29. Phrid-Struga, Macedonia.
350201. 829–VII/30. Struga, Macedonia.

349854 to 350272—Continued

349926 to 350272—Continued

350202.	830–VII/30.	Struga, Macedonia.
350203.	831–VII/30.	Struga, Macedonia.
350204.	832–VII/31.	Struga-Debar, Macedonia.
350205.	835–VII/32.	Ispred Debra, Macedonia.
350206.	836–VII/32.	Ispred Debra, Macedonia.
350207.	837–VII/32.	Ispred Debra, Macedonia.
350208.	838–VII/32.	Ispred Debra, Macedonia.
350209.	839–VII/33.	Ispred Debra, Macedonia.
350210.	840–VII/33.	Ispred Debra, Macedonia.
350211.	841–VII/33.	Ispred Debra, Macedonia.
350212.	842–VII/34.	Vrtok, Macedonia.
350213.	843–VII/34.	Vrtok, Macedonia.
350214.	847–VII/35.	Vrtok, Macedonia.
350215.	847/1–VII/35.	Vrtok, Macedonia.
350216.	848–VII/35.	Vrtok, Macedonia.
350217.	849–VII/35.	Vrtok, Macedonia.
350218.	850–VII/35.	Vrtok, Macedonia.
350219.	851–VII/35.	Vrtok, Macedonia.
350220.	852–VII/36.	Vrtok, Macedonia.
350221.	853–VII/36.	Vrtok, Macedonia.
350222.	854–VII/36.	Vrtok, Macedonia.
350223.	854/1–VII/36.	Vrtok, Macedonia.
350224.	855–VII/37.	Prsovci iza Tetova, Macedonia.
350225.	856–VII/37.	Prsovci iza Tetova, Macedonia.
350226.	857–VII/37.	Prsovci iza Tetova, Macedonia.
350227.	858–VII/38.	Iza Tetova ka Urosevcu, Macedonia.
350228.	859–VII/38.	Iza Tetova ka Urosevcu, Macedonia.
350229.	860–VII/38.	Iza Tetova ka Urosevcu, Macedonia.
350230.	861–VII/39.	Sara, Macedonia.
350231.	862–VII/39.	Sara, Macedonia.
350232.	863–VII/39.	Sara Macedonia.
350233.	864–VII/40.	Strumica, Macedonia.
350234.	865–VII/40.	Strumica, Macedonia.
350235.	868–VIII/1.	Trpeza Ivangrad, Montenegro.
350236.	869–VIII/2.	Polica, Montenegro.
350237.	870–VIII/3.	Petljica, Montenegro.
350238.	872–VIII/4.	Polica, Montenegro.
350239.	873–VIII/5.	Trpeza, Montenegro.
350240.	875–VIII/6.	Polica, Montenegro.
350241.	876–VIII/7.	Tutin, Montenegro.
350242.	879–VIII/8.	Milesevo, Montenegro.
350243.	881–VIII/8.	Milesevo, Montenegro.

349854 to 350272—Continued

349926 to 350272—Continued

350244. 882–VIII/8. Milesevo, Montenegro.
350245. 883–VIII/8. Milesevo, Montenegro.
350246. 884–VIII/9. N. Pazat, Kosovo.
350247. 886–VIII/10. Postrmci, Montenegro.
350248. 887–VIII/11. Postrmci, Montenegro.
350249. 888–VIII/12. Postrmci, Montenegro.
350250. 889–VIII/13. Pozesina, Montenegro.
350251. 890–VIII/14. Crkvinja, Montenegro.
350252. 891–VIII/15. Sebecevo, Montenegro.
350253. 893–VIII/16. Sopocani, Montenegro.
350254. 896–IX/1. Gluvnina, Bosnia.
350255. 898–IX/1. Gluvnina, Bosnia.
350256. 898/1–IX/1. Gluvnina, Bosnia.
350257. 900–IX/2. Snagovo, Bosnia.
350258. 902–IX/2. Snagovo, Bosnia.
350259. 903–IX/3. Snagovo, Bosnia.
350260. 904–IX/3. Snagovo, Bosnia.
350261. 905–IX/3. Snagovo, Bosnia.
350262. 906–IX/3. Snagovo, Bosnia.
350263. 907–IX/4. Snagovo, Bosnia.
350264. 908–IX/4. Snagovo, Bosnia.
350265. 909–IX/4. Snagovo, Bosnia.
350266. 910–IX/4. Snagovo, Bosnia.
350267. 911–IX/4. Snagovo, Bosnia.
350268. 913–IX/6. Ivancici, Bosnia.
350269. 914–IX/6. Ivancici, Bosnia.
350270. 915–IX/7. Ispred Visegrada, Bosnia.
350271. 916–IX/7. Ispred Visegrada, Bosnia.
350272. 917–IX/7. Ispred Visegrada, Bosnia.

350273 to 350276.

From Canada. Trees presented by the Canada Agriculture Research Branch, Morden, Manitoba. Received June 1, 1970.

350273. MALUS sp. Rosaceae.
'Garry'.

350274. MALUS sp.
'Kelsey'.

350275. MALUS sp.
'Selkirk'.

350276. ULMUS (hybrid) Ulmaceae.
No. 5606. (*Ulmus fulva* × *U. pumila*).

350277. XANTHOSOMA VIOLACEUM Schott Araceae. Yautia.

From Brazil. Tubers presented by M. B. Skvortzov, Institute of Botany, Secretaria of Agricultura, Sao Paulo. Received June 4, 1970.

350278. ANEMONE CYLINDRICA A. Gray Ranunculaceae. **Thimbleweed.**

From United States. Seed collected by R. E. Perdue, Jr., Plant Science Research Division, Plant Industry Station, Beltsville, Maryland. Received June 2, 1970.

4083. Bottom land along Roaring Fork by Highway 82, 11.27 km. south of Basalt, Pitkin County, Colorado. Perennial, to one meter tall. Collected September 21, 1960.

350279 to 350283.

From England. Seed presented by Forestry Commission, Forest Research Station. Wrecclesham. Received May 28, 1970.

350279 and 350280. SORBUS HUPEHENSIS Schneid. Rosaceae.

350279. No. 1.

350280. Pink berries.

350281. SORBUS MATSUMURANA (Makino) Koehne.

350282. SORBUS PRATTII Koehne.

350283. SORBUS WILSONIANA Schneid.

350284. SACCHARUM (hybrid) Gramineae. **Sugarcane.**

From Fiji. Cuttings presented by the S.P.S.M. Ltd., Lautoka. Received June 9, 1970.

'Fiji 46'.

350285 to 350288. SORGHUM BICOLOR (L.) Moench Gramineae. **Sorghum.**

From Uganda. Seed presented by the Serere Research Station, Soroti. Received June 8, 1970.

350285. Serere RS 1.

350286. Serere RS 2.

350287. Serere RS 3.

350288. Serere RS 4.

350289 to 350294.

From Portugal. Seed presented by the Director, Instituto Botanico, Da Universidade De Coimbra, Coimbra. Received May 19, 1970.

350289. BRIZA MINOR L. Gramineae. **Little quaking grass.**

2306.

350290. BRIZA TRILOBA Nees.

2307.

350291. CREPIS CAPILLARIS Wallr. Compositae.

609.

350292. CREPIS RUBRA L.

610.

350293. MALVA HISPANICA L. Malvaceae.

1484.

350294. SOLANUM LACINIATUM Ait. Solanaceae.

2024.

350295 to 350302. ORYZA SATIVA L. Gramineae. **Rice.**

From Bulgaria. Seed presented by V. Milew, Institute of Genetics and Plant Breeding, Academy of Agricultural Sciences, Sofia. Received May 28, 1970.

350295. 'Biser-1'.

350296. 'Carina'.

350297. 'Iskra'.

350298. 'Monticelli'.

350299. 'Pegomil-15'.

350300. 'Plovdiv'.

350301. 'Slava'.

350302. 'Uspeh'.

350303. CUPRESSUS DUPREZIANA A. Camus Pinaceae.
Saharan cypress.

From Algeria. Seed presented by M. Zaraia, Algerian Center for Forest Research, Algiers. Received June 1, 1970.

350304. CALADIUM sp. Araceae.

From Brazil. Rhizomes presented by B. V. Skvortzov, Institute of Botany, Sao Paulo. Received June 10, 1970.

White spotted leaves. Collected April 20, 1970.

350305. VERNONIA sp. Compositae.

From India. Seed collected 1970 by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received May 27, 1970.

Vellingiri Hills, Coimbatore District.

350306. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

From India. Seed presented by S. Pradhan, Indian Agricultural Research Institute, New Delhi. Received November 21, 1968.

HD(M) 1592.

350307 to 350311. TRITICUM AESTIVUM L. Gramineae.
Common wheat.

From Romania. Seed presented by Romagricola, State Enterprise for Foreign Trade, Bucharest. Received June 4, 1970.

350307. 'Bucuresti I'.
350308. 'Dacia'.
350309. 'Excelsior'.
350310. 'Favorit'.
350311. 'Moldova'.

350312 to 350317. SOLANUM TUBEROSUM L. Solanaceae. **Potato.**

From Union of Soviet Socialist Republics. Tubers presented by N. Vavilov All-Union Institute of Plant Industry, Leningrad. Received June 1, 1970.

350312. 'Kurgansky I'. Kurgansky State, District Agricultural Station, West Siberia.

350313. 'Majkopsky'. Majkop Station.

350314. 'Ostrovsky'. Polessian Agricultural Station.

350315. 'Sedov'. Bred by Katin-Yartzev, Siberian Institute of Agriculture, Omsk.

350316. 'Yogeva Yellow'. Yogeva Plant Breeding Station, Estonia.

350317. 'Yuzhanin'. Yeletokaja Agricultural Station.

350318 and 350319. SOLANUM MELONGENA L. Solanaceae.
Eggplant.

From Philippines. Seed presented by H. M. Munger, Ford Foundation, University of Philippines, College, Laguna. Received April 28, 1970.

350318. 'Dumaguete Long Purple'. Resistant to Philippine strain of red spider mite.

350319. 'Sinampiro 100'. Resistant to Philippine strain of red spider mite.

350320. SOLANUM MELONGENA L. Solanaceae. **Eggplant.**

From Japan. Seed presented by Takii & Company, Ltd., Kyoto. Received April 28, 1970.

'F_1 Millionaire'. Resistant to Philippine strain of red spider mite.

350321 to 350669. ORYZA SATIVA L. Gramineae. Rice.

From Philippines. Seed presented by T. T. Chang, The International Research Institute, Los Banos, Laguna. Received May 12, 1970.

350321. IR614–6–2–1. CI 9300 x TN1.

350322. IR614–7–2–2–2. CI 9300 x TN1.

350323. IR614–19–1–3–2. CI 9300 x TN1.

350324. IR614–27–2–3–1. CI 9300 x TN1.

350325. IR800–9–3–2–1–2. (FF 36 x Ch. 242) × Ch. 242.

350326. IR610–1–9–1–2–3–2–2. FF 33 x Kalijira Aman.

350327. IR610–1–15–1–2–2–2–2. FF 33 x Kalijira Aman.

350328. IR610–1–39–1–3–3–3–2. FF 33 x Kalijira Aman.

350329. IR610–1–39–1–3–2–2 FF 33 x Kalijira Aman.

350330. IR1305–25–2. (Palkweng x IR8) x Calady 40.

350331. IR1305–33–3. (Palkweng x IR8) x Calady 40.

350332. IR1305–40–2. (Palkweng x IR8) x Calady 40.

350333. IR1308–17–1–3. (Palkweng x IR8) x Suwon 118.

350334. IR1308–53–2. (Palkweng x IR8) x Suwon 118.

350335. IR1308–84–3. (Palkweng y IR8) x Suwong 118.

350336. IR1307–1–3. (Palkweng x IR8) x Senbon Asahi.

350337. IR1307–9–3. (Palkweng x IR8) x Senbon Asahi.

350338. IR1314–28–1–2. (IR8 x Palkweng) x Senbon Asahi.

350339. IR1315–13–1–2. IR8 x Palkweng) x Suwon 118.

350340. IR1315–14–1–1. (IR8 x Palkweng) x Suwon 118.

350341. IR1315–15–2–2. (IR8 x Palkweng) x Suwon 118.

350342. IR1315–16–2–2. (IR8 x Palkweng) x Suwon 118.

350343. IR1315–22–1–1. (IR8 x Palkweng) x Suwon 118.

350344. IR1315–27–2–1. (IR8 x Palkweng) x Suwon 118.

350345. IR1315–48–1. (IR8 x Palkweng) x Suwon 118.

350346. IR1321–14–1–2. (Jinheung x IR262–43–8–11) x Senbon Asahi.

350347. IR1321–18–2–2. (Jinheung x IR262–43–8–11) x Senbon Asahi.

350348. IR1321–18–3–2. (Jinheung x IR262–43–8–11) x Senbon Asahi.

350349. IR1321–21–3. (Jinheung x IR262–43–8–11) x Senbon Asahi.

350350. IR1323–15–2–2. (Jinheung x IR262) x Suwon 118.

350351. IR1323–54–2–1. (Jinheung x IR262) x Suwon 118.

350352. IR1323–73–1–2. (Jinheung x IR262) x Suwon 118.

350353. IR1323–82–3–2. (Jinheung x IR262) x Suwon 118.

350354. IR1323–115–2–1. (Jinheung x IR262) x Suwon 118.

350355. IR1323–133–1. (Jinheung x IR262) x Suwon 118.

350356. IR1316–10–3–2. Jinheung/2 x IR262–43–8–11.

350357. IR1316–22–2–2. Jinheung/2 x IR262–43–8–11.

350358. IR1317–29–1. Jinheung x IR262–43–8–11/2.

350359. IR1317–74–2–3. Jinheung x IR262–43–8–11/2.

350360. 1R1317–83–2–2. Jinheung x IR262–43–8–11/2.

350321 to 350669—Continued

350361. IR1317–122–1–3. Jinheung x IR262–43–8–11/2.
350362. IR1317–137–3–3. Jinheung x IR262–43–8–11/2.
350363. IR1317–173–1–2. Jinheung x IR262–43–8–11/2.
350364. IR1317–219–2–1. Jinheung x IR262–43–8–11/2.
350365. IR1317–243–1–1. Jinheung x IR262–43–8–11/2.
350366. IR1317–248–1–2. Jinheung x IR262–43–8–11/2.
350367. IR1317–252–3–2. Jinheung x IR262–43–8–11/2.
350368. IR1317–258–3–3. Jinheung x IR262–43–8–11/2.
350369. IR1317–297–2–2. Jinheung x IR262–43–8–11/2.
350370. IR1317–310–2–1. Jinheung x IR262–43–8–11/2.
350371. IR1317–317–2–2. Jinheung x IR262–43–8–11/2.
350372. IR1317–320–1–1. Jinheung x IR262–43–8–11/2.
350373. IR1317–346–2–3. Jinheung x IR262–43–8–11/2.
350374. IR1317–352–1–2. Jinheung x IR262–43–8–11/2.
350375. IR1317–392–1–2. Jinheung x IR262–43–8–11/2.
350376. IR1317–396–1–2. Jinheung x IR262–43–8–11/2.
350377. IR1317–441–2. Jinheung x IR262–43–8–11/2.
350378. IR1317–454–2. Jinheung x IR262–43–8–11/2.
350379. IR1317–459–2. Jinheung x IR262–43–8–11/2.
350380. IR1317–478–2. Jinheung x IR262–43–8–11/2.
350381. IR1317–479–2. Jinheung x IR262–43–8–11/2.
350382. IR1317–481–1. Jinheung x IR262–43–8–11/2.
350383. IR1317–484–2. Jinheung x IR262–43–8–11/2.
350384. IR1317–563–1. Jinheung x IR262–43–8–11/2.
350385. IR1311–79–3–2. IR8/2 x Palkweng.
350386. IR1311–115–1–2. IR8/2 x Palkweng.
350387. IR1311–115–3–1. IR8/2 x Palkweng.
350388. IR1311–120–1–2. IR8/2 x Palkweng.
350389. IR1311–120–3–2. IR8/2 x Palkweng.
350390. IR1311–151–2. IR8/2 x Palkweng.
350391. IR1311–159–2. IR8/2 x Palkweng.
350392. IR1311–215–3. IR8/2 x Palkweng.
350393. IR1311–218–3. IR8/2 x Palkweng.
350394. IR1311–224–1. IR8/2 x Palkweng.
350395. IR1311–131–1–1. IR8/2 x Palkweng.
350396. IR1304–43–3. Palkweng x IR8/2.
350397. IR1304–54–1. Palkweng x IR8/2.
350398. IR1310–12–3–1. (Palkweng x IR8) x IR781.
350399. IR1310–61–3–1. (Palkweng x IR8) x IR781.
350400. IR1310–94–3. (Palkweng x IR8) x IR781.
350401. IR1310–130–2. (Palkweng x IR8) x IR781.
350402. IR1310–152–3. (Palkweng x IR8) x IR781.

350321 to 350669—Continued

350403. IR1310–172–3. (Palkweng x IR8) x IR781.
350404. IR1325–31–1–2. (Jinheung x IR262) x IR781.
350405. IR1325–32–3–3. (Jinheung x IR262) x IR781.
350406. IR1325–51–2–2. (Jinheung x IR262) x IR781.
350407. IR1325–73–3–2. (Jinheung x IR262) x IR781.
350408. IR1325–76–2–1. (Jinheung x IR262) x IR781.
350409. IR1325–77–1–3. (Jinheung x IR262) x IR781.
350410. IR1325–86–3–3. (Jinheung x IR262) x IR781.
350411. IR1325-177–5–2. (Jinheung x IR262) x IR781.
350412. IR1325–190–3–1. (Jinheung x IR262) x IR781.
350413. IR1325–193–1–3. (Jinheung x IR262) x IR781.
350414. IR1325–193–2–1. (Jinheung x IR262) x IR781.
350415. IR1325–193–3–3. (Jinheung x IR262) x IR781.
350416. IR1325–211–2–3 (Jinheung x IR262) x IR781.
350417. IR1325–215–2–3. (Jinheung x IR262) x IR781.
350418. IR1325–218–1–3. (Jinheung x IR262) x IR781.
350419. IR1325–224–3–2. (Jinheung x IR262) x IR781.
350420. IR1325–247–1. (Jinheung x IR262) x IR781.
350421. IR1325–284–2. (Jinheung x IR262) x IR781.
350422. IR1384–27–1. IR781–B4–350–2 x IR452–27–3–1.
350423. IR1384–27–3. IR781–B4–350–2 x IR52–27–3–1.
350424. IR666–1–1–1–2–2–1–3. IR8 x Yukara.
350425. IR666–1–1–1–2–2–2–1. IR8 x Yukara.
350426. IR667–1–63–1–1–3–1–1. IR8 x (Yukara x TN1).
350427. IR667–35–1–2–2–2–3. IR8 x (Yukara x TN1).
350428. IR667–35–1–3–2–2–3. IR8 x (Yukara x TN1).
350429. IR667–51–3–3–3–1–1. IR8 x (Yukara x TN1).
350430. IR667–53–3–3–1–3–3. IR8 x (Yukara x TN1).
350431. IR667–80–6–1–2–1–2. IR8 x (Yukara x TN1).
350432. IR667–89–2–1–2–1–2. IR8 x (Yukara x TN1).
350433. IR667–98–2–2–2–1–1. IR8 x (Yukara x TN1).
350434. IR667–98–2–3–1–2–2. IR8 x (Yukara x TN1).
350435. IR667–98–2–3–1–3–2. IR8 x (Yukara x TN1).
350436. IR667–98–2–3–2–3–1. IR8 x (Yukara x TN1).
350437. IR667–98–2–3–3–1–1. IR8 x (Yukara x TN1).
350438. IR667–98–2–3–3–3–2. IR8 x (Yukara x TN1).
350439. IR667–110–2–1–3–1–2. IR8 x (Yukara x TN1).
350440. IR667–112–2–3–2–3–3. IR8 x (Yukara x TN1).
350441. IR667–112–3–3–1–3–2. IR8 x (Yukara x TN1).
350442. IR667–112–3–3–2–2–3. IR8 x (Yukara x TN1).
350443. IR667-115–1–2–1–2–2. IR8 x (Yukara x TN1).
350444. IR667–115–5–1–2–1–2. IR8 x (Yukara x TN1).

350321 to 350669—Continued

350445. IR667–137–1–2–2–3–1. IR8 x Yukara x TN1).
350446. IR667–98–1–2–2–2. IR8 x (Yukara x TN1).
350447. IR667–98–2–2–2–1. IR8 x (Yukara x TN1).
350448. IR667–98–2–2–3–2. IR8 x (Yukara x TN1).
350449. IR781–417–2–2–1–3. IR8/2 x (Yukara x TN1).
350450. IR781–420–1–2–1–2. IR8/2 x (Yukara x TN1).
350451. IR781–424–3–3–1–1. IR8/2 x (Yukara x TN1).
350452. IR781–424–3–3–2–2. IR8/2 x (Yukara x TN1).
350453. IR781–427–2–2–1–2. IR8/2 x (Yukara x TN1).
350454. IR781–436–3–3–3–3. IR8/2 x (Yukara x TN1).
350455. IR781–443–2–2–1–2. IR8/2 x (Yukara x TN1).
350456. IR781–443–2–2–2–3. IR8/2 x (Yukara x TN1).
350457. IR781–557–2–2–2. IR8/2 x (Yukara x TN1).
350458. IR781–530–3–3–2–1. IR8/2 x (Yukara x TN1).
350459. IR781–534–1–3–1–1. IR8/2 x (Yukara x TN1).
350460. IR781–551–1–1–3. IR8/2 x (Yukara x TN1).
350461. IR781–572–2–3–3. IR8/2 x (Yukara x TN1).
350462. IR781–625–2–1–2. IR8/2 x (Yukara x TN1).
350463. IR781–41–3–1–1–3. IR8/2 x (Yukara x TN1).
350464. IR781–41–3–2–1–1–2. IR8/2 x (Yukara x TN1).
350465. IR781–51–2–2–3–1–3. IR8/2 x (Yukara x TN1).
350466. IR781–51–2–3–2–2–2. IR8/2 x (Yukara x TN1).
350467. IR781–89–2–2–1–3–1. IR8/2 x (Yukara x TN1).
350468. IR781–92–1–2–1–2–2. IR8/2 x (Yukara x TN1).
350469. IR781–92–1–2–2–2–2. IR8/2 x (Yukara x TN1).
350470. IR781–103–1–3–1–2–2. IR8/2 x (Yukara x TN1).
350471. IR781–118–1–2–2–2–3. IR8/2 x (Yukara x TN1).
350472. IR781–118–2–2–1–3–2. IR8/2 x (Yukara x TN1).
350473. IR781–118–2–2–3–1–1. IR8/2 x (Yukara x TN1).
350474. IR781–118–3–3–1–3–3. IR8/2 x (Yukara x TN1).
350475. IR781–133–2–1–1–3–3. IR8/2 x (Yukara x TN1).
350476. IR781–137–1–1–1–1–1. IR8/2 x (Yukara x TN1).
350477. IR781–138–1–3–2–1–2. IR8/2 x (Yukara x TN1).
350478. IR781–139–2–2–2–1–3. IR8/2 x (Yukara x TN1).
350479. IR781–151–2–2–3–2–1. IR8/2 x (Yukara x TN1).
350480. IR781–151–2–3–1–3–1. IR8/2 x (Yukara x TN1).
350481. IR781–152–1–1–1–1–2. IR8/2 x (Yukara x TN1).
350482. IR781–159–2–2–1–2–2. IR8/2 x (Yukara x TN1).
350483. IR781–177–3–3–1–1–2. IR8/2 x (Yukara x TN1).
350484. IR781–177–3–3–1–3–3. IR8/2 x (Yukara x TN1).
350485. IR781–178–3–2–1–1–2. IR8/2 x (Yukara x TN1).
350486. IR781–184–2–3–3–2–2. IR8/2 x (Yukara x TN1).

350321 to 350669—Continued

350487.	IR781–186–3–1–3–1–3.	IR8/2 x (Yukara x TN1).
350488.	IR781–187–1–3–1–2–1.	IR8/2 x (Yukara x TN1).
350489.	IR781–187–1–3–2–2–2.	IR8/2 x (Yukara x TN1).
350490.	IR781–189–3–2–2–1–3.	IR8/2 x (Yukara x TN1).
350491.	IR781–189–3–2–2–3–3.	IR8/2 x (Yukara x TN1).
350492.	IR781–189–3–3–3–1–2.	IR8/2 x (Yukara x TN1).
350493.	IR781–194–1–1–2–1–3.	IR8/2 x (Yukara x TN1).
350494.	IR781–194–1–2–1–1–2.	IR8/2 x (Yukara x TN1).
350495.	IR781–194–2–2–3–1–1.	IR8/2 x (Yukara x TN1).
350496.	IR781–326–3–3–2–1–2.	IR8/2 x (Yukara x TN1).
350497.	IR781–326–3–3–2–3–2.	IR8/2 x (Yukara x TN1).
350498.	IR781–384–6–2–1–1–3.	IR8/2 x (Yukara x TN1).
350499.	IR781–384–6–3–2–3–3.	IR8/2 x (Yukara x TN1).
350500.	IR781–400–4–1–3–2–2.	IR8/2 x (Yukara x TN1).
350501.	IR781–400–5–2–2–2–1.	IR8/2 x (Yukara x TN1).
350502.	IR781–400–4–3–1–2–3.	IR8/2 × (Yukara × TN1).
350503.	IR781–400–4–3–3–3–2.	IR8/2 × (Yukara × TN1).
350504.	IR781–400–5–1–3–3–3.	IR8/2 × (Yukara × TN1).
350505.	IR781–400–5–2–2–3–2.	IR8/2 × (Yukara × TN1).
350506.	IR781–400–5–5–1–1–3.	IR8/2 × (Yukara × TN1).
350507.	IR781–400–5–5–1–2–3.	IR8/2 × (Yukara × TN1).
350508.	IR781–400–5–6–1–1–2.	IR8/2 × (Yukara × TN1).
350509.	IR781–274–2–1–3–1–3.	IR8/2 × (Yukara × TN1).
350510.	IR781–336–1–3–1–2–1.	IR8/2 × (Yukara × TN1).
350511.	IR781–398–6–1–1–1–3.	IR8/2 × (Yukara × TN1).
350512.	IR781–400–4–1–2–3–3.	IR8/2 × (Yukara × TN1).
350513.	IR781–400–5–2–2–2–1.	IR8/2 × (Yukara × TN1).
350514.	IR781–406–3–2–1–1–3.	IR8/2 × (Yukara × TN1).
350515.	IR781–194–1–1–2–2–2.	IR8/2 × (Yukara × TN1).
350516.	IR934–10–1–2–2	IR8/3 × (Yukara × TN1).
350517.	IR934–10–3–3–1.	IR8/3 × (Yukara × TN1).
350518.	IR934–108–1–2–2.	IR8/3 × (Yukara × TN1).
350519.	IR934–122–2–1–2.	IR8/3 × (Yukara × TN1).
350520.	IR934–133–3–2–2.	IR8/3 × (Yukara × TN1).
350521.	IR934–133–3–3–2.	IR8/3 × (Yukara × TN1).
350522.	IR934–152–1–2–2.	IR8/3 × (Yukara × TN1).
350523.	IR934–164–3–2–1.	IR8/3 × (Yukara × TN1).
350524.	IR934–217–3–2–2.	IR8/3 × (Yukara × TN1).
350525.	IR934–219–3–2–3.	IR8/3 × (Yukara × TN1).
350526.	IR934–222–3–3–3.	IR8/3 × (Yukara × TN1).
350527.	IR934–226–2–2–2.	IR8/3 × (Yukara × TN1).
350528.	IR934–226–3–1–3.	IR8/3 × (Yukara × TN1).

350321 to 350669—Continued

350529.	IR934–234–2–1–2.	IR8/3 × (Yukara × TN1).
350530.	IR934–234–2–2–2.	IR8/3 × (Yukara × TN1).
350531.	IR934–239–1–1–2.	IR8/3 × (Yukara × TN1).
350532.	IR934–239–1–3–2.	IR8/3 × (Yukara × TN1).
350533.	IR934–239–2–2–2.	IR8/3 × (Yukara × TN1).
350534.	IR934–242–1–3–2.	IR8/3 × (Yukara × TN1).
350535.	IR934–243–1–1–2.	IR8/3 × (Yukara × TN1).
350536.	IR934–243–3–1–2.	IR8/3 × (Yukara × TN1).
350537.	IR934–243–3–2–3.	IR8/3 × (Yukara × TN1).
350538.	IR934–243–3–3–2.	IR8/3 × (Yukara × TN1).
350539.	IR934–247–2–1–2.	IR8/3 × (Yukara × TN1).
350540.	IR934–247–3–2–3.	IR8/3 × (Yukara × TN1).
350541.	IR934–254–2–3–3.	IR8/3 × (Yukara × TN1).
350542.	IR934–266–1–3–1.	IR8/3 × (Yukara × TN1).
350543.	IR934–274–2–1–3.	IR8/3 × (Yukara × TN1).
350544.	IR934–286–2–1–2.	IR8/3 × (Yukara × TN1).
350545.	IR934–298–1–3–1.	IR8/3 × (Yukara × TN1).
350546.	IR934–339–1–1–2.	IR8/3 × (Yukara × TN1).
350547.	IR934–339–2–3–3.	IR8/3 × (Yukara × TN1).
350548.	IR934–351–3–1–1.	IR8/3 × (Yukara × TN1).
350549.	IR934–360–1–2–1.	IR8/3 × (Yukara × TN1).
350550.	IR934–360–2–3–2.	IR8/3 × (Yukara × TN1).
350551.	IR934–364–3–1–1.	IR8/3 × (Yukara × TN1).
350552.	IR934–368–2–3–1.	IR8/3 × (Yukara × TN1).
350553.	IR934–368–2–3–2.	IR8/3 × (Yukara × TN1).
350554.	IR934–368–3–2–1.	IR8/3 × (Yukara × TN1).
350555.	IR934–383–3–1–1.	IR8/3 × (Yukara × TN1).
350556.	IR934–385–3–1–3.	IR8/3 × (Yukara × TN1).
350557.	IR934–385–3–2–2.	IR8/3 × (Yukara × TN1).
350558.	IR934–396–1–1–3.	IR8/3 × (Yukara × TN1).
350559.	IR934–404–2–1–1.	IR8/3 × (Yukara × TN1).
350560.	IR934–431–1–1–1.	IR8/3 × (Yukara × TN1).
350561.	IR934–434–1–2–3.	IR8/3 × (Yukara × TN1).
350562.	IR934–447–1–3–2.	IR8/3 × (Yukara × TN1).
350563.	IR934–449–2–1–2.	IR8/3 × (Yukara × TN1).
350564.	IR934–450–1–3–3.	IR8/3 × (Yukara × TN1).
350565.	IR934–464–1–2–2.	IR8/3 × (Yukara × TN1).
350566.	IR934–475–1–1–1.	IR8/3 × (Yukara × TN1).
350567.	IR934–524–1–2–3.	IR8/3 × (Yukara × TN1).
350568.	IR934–525–1–2–3.	IR8/3 × (Yukara × TN1).
350569.	IR934–529–1–1–2.	IR8/3. × (Yukara × TN1)
350570.	IR934–548–1–1–2.	IR8/3 × (Yukara × TN1).

350321 to 350669—Continued

350571. IR934–548–1–3–3. IR8/3 × (Yukara × TN1).
350572. IR934–562–2–3–2. IR8/3 × (Yukara × TN1).
350573. IR934–569–2–1–2. IR8/3 × (Yukara × TN1).
350574. IR934–601–3–1–2. IR8/3 × (Yukara × TN1).
350575. IR934–581–1–1–3. IR8/3 × (Yukara × TN1).
350576. KC10–1–1. Remei/2 × Milfor 6(2).
350577. KC10–2–1. Remei/2 × Milfor 6(2).
350578. KC10–2–3. Remei/2 × Milfor 6(2).
350579. KC10–2–4. Remei/2 × Milfor 6(2).
350580. KC10–2–6. Remei/2 × Milfor 6(2).
350581. KC10–3–3. Remei/2 × Milfor 6(2).
350582. KC10–4–2. Remei/2 × Milfor 6(2).
350583. KC10–4–3. Remei/2 × Milfor 6(2).
350584. KC11–3–13. Fujiminori/2 × Milfor 6(2).
350585. KC11–3–5. Fujiminori/2 × Milfor 6(2).
350586. KC11–3–6. Fujiminori/2 × Milfor 6(2).
350587. KC11–3–8. Fujiminori/2 × Milfor 6(2).
350588. KC11–3–10. Fujiminori/2 × Milfor 6(2).
350589. KC11–2–11. Fujiminori/2 × Milfor 6(2).
350590. KC11–4–1. Fujiminori/2 × Milfor 6(2).
350591. KC14–1–2–5. Todoroki wase/2 × SML 242.
350592. KC14–1–2–7. Todoroki wase/2 × SML 242.
350593. KC14–1–6–1. Todoroki wase/2 × SML 242.
350594. KC14–1–7–1. Todoroki wase/2 × SML 242.
350595. KC14–1–7–3. Todoroki wase/2 x SML 242.
350596. KC14–1–8–1. Todoroki wase/2 x SML 242.
350597. KC14–2–4–1. Todoroki wase/2 x SML 242.
350598. KC14–2–6–1. Todoroki wase/2 x SML 242.
350599. KC14–2–7–3. Todoroki wase/2 x SML 242.
350600. KC15–4–1. Todoroki wase x (Reimei x SML 242).
350601. KC15–4–6. Todoroki wase x (Reimei x SML 242).
350602. KC15–4–7. Todoroki wase x (Reimei x SML 242).
350603. KC15–4–8. Todoroki wase x (Reimei x SML 242).
350604. KC15–4–10. Todoroki wase x (Reimei x SML 242).
350605. KC16–1–3–1. Reimei/2 x SML 242.
350606. KC16–1–3–2. Reimei/2 x SML 242.
350607. KC16–1–5–4. Reimei/2 x SML 242.
350608. KC16–2–4–14. Reimei/2 x SML 242.
350609. KC16–2–5–1. Reimei/2 x SML 242.
350610. KC16–1–4–4. Reimei/2 x SML 242.
350611. KC16–1–4–12. Reimei/2 x SML 242.
350612. KC42–2–3. Todoroki wase/2 x IR8.

350321 to 350669—Continued

350613. KC42–2–1. Todoroki wase/2 x IR8.
350614. KC16–2–6–5. Reimei/2 x SML 242.
350615. KC16–2–6–4. Reimei/2 x SML 242.
350616. KC16–2–6–1. Reimei/2 x SML 242.
350617. KC16–1–4–18. Reimei/2 x SML 242.
350618. KC16–1–4–17. Reimei/2 x SML 242.
350619. KC16–1–4–15. Reimei/2 x SML 242.
350620. KC16–1–4–13. Reimei/2 x SML 242.
350621. KC16–2–5. Todoroki wase/2 x IR8.
350622. KC16–2–6. Todoroki wase/2 x IR8.
350623. KC16–2–9. Todoroki wase/2 x IR8.
350624. KC16–2–10. Todoroki wase/2 x IR8.
350625. KC16–1–1. Todoroki wase/2 x IR8.
350626. KC16–1–3. Todoroki wase/2 x IR8.
350627. KC16–1–4. Todoroki wase/2 x IR8.
350628. KC42–1–6. Todoroki wase/2 x IR8.
350629. KC42–1–7. Todoroki wase/2 x IR8.
350630. KC42–1–8. Todoroki wase/2 x IR8.
350631. KC42–1–10. Todoroki wase/2 x IR8.
350632. IR1317–266–1–2. Jinheung x IR262–43–8–11/2.
350633. IR1317–266–2–3. Jinheung x IR262–43–8–11/2.
350634. IR1317–266–3–3. Jinheung x IR262–43–8–11/2.
350635. IR1317–313–1–3. Jinheung x IR262–43–8–11/2.
350636. IR1317–315–1–3. Jinheung x IR262–43–8–11/2.
350637. IR1317–315–4–3. Jinheung x IR262–43–8–11/2.
350638. IR1317–316–1–2. Jinheung x IR262–43–8–11/2.
350639. IR1317–316–2–3. Jinheung x IR262–43–8–11/2.
350640. IR568–20–1–3–1–2. Yukara x TN1.
350641. IR568–20–1–3–2–2. Yukara x TN1.
350642. IR568–20–1–3–3–2. Yukara x TN1.
350643. IR591–31–1–2–2. IR8 x F6 (FB 24 x T. 172).
350644. IR591–31–1–3. IR8 x F6 (FM 24 x T. 172).
350645. Calrose.
350646. Yoneshiro.
350647. Calrose.
350648. Shinsetsu.
350649. Yukara.
350650. Reimei.
350651. IR532E341. IR262–24–3 x TKM–6.
350652. IR532E425. IR262–24–3 x TKM–6.
350653. IR532–1–208. IR262–24–3 x TKM–6.
350654. IR579–48–1–2. IR8 x Tadukan.
350655. IR579–48–2–2. IR8 x Tadukan.

350321 to 350669—Continued

350656. IR579–48–1–3. IR8 x Tadukan.

350657. IR579–52–2–2. IR8 x Tadukan.

350658. IR579–86–2–2. IR8 x Tadukan.

350659. IR579–89–1–3–3. IR8 x Tadukan.

350660. IR579–101–2. IR8 x Tadukan.

350661. IR579–126. IR8 x Tadukan.

350662. IR665–5–3–2. IR8 x Peta/5 x Belle Patna.

350663. IR773A1–36–2–2–3. IR8 x IR238–28–3–2.

350664. IR773A1–36–2–1–3. IR8 x IR238–28–3–2.

350665. IR773–112–2. IR8 x IR238–28–3–2.

350666. IR773–118–2. IR8 x IR238–28–3–2.

350667. IR790–28–5–6 IR400–5–12–10–2 x [IR8 x (F1 IR4–253–3 x (B589A4–18)/2 x T(N)1)]

350668. IR790–5–1–3. IR400–5–12–10–2 x [IR8 x (F1 IR4–253–3 x (B589A4–18)/2 x T(N) 1)].

350669. IR790–54–1–3. IR400–5–12–10–2 x [IR8 x (F1 IR4–253–3 x (B589A4–18)/2 x T(N)1)].

350670 to 350675.

From Australia. Seed presented by Commonwealth Scientific and Industrial Research Organization, Division of Plant Introduction, Canberra, A.C.T. Received June 10, 1970.

350670 to 350674. PHALARIS AQUATICA L. Gramineae. **Large canarygrass.**

350670. N848. 'Surocco'.

350671. C.P.I. 14495.

350672. C.P.I. 14498.

350673. C.P.I. 19280.

350674. C.P.I. 19351.

350675. PHALARIS (hybrid).

1146. 'Siro'.

350676. AMPHICARPA sp. Leguminosae.

From United States. Seed presented by United States Regional Soybean Laboratory, Urbana, Ill. Received June 10, 1970.

No. 237. Collected locally by Charles R. Cremeens.

350677 and 350678. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Union of Soviet Socialist Republics. Seed presented by N. Vavilov All–Union Institute of Plant Industry, Leningrad. Received June 9, 1970.

350677. 'Aurora'. Krasnodar.

350678. 'Jubilenjnaja 50'. Mironovskaja.

350679. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov All–Union Institute of Plant Industry, Leningrad. Received June 16, 1970.

'Saratovskaja 29 MS'.

350680. ARACHIS HYPOGAEA L. Leguminosae. Peanut.

From Honduras. Seed presented by Julio Romero, Division of Tropical Research, Tela Railroad Company, La Lima, Cortez. Received June 9, 1970.

'Tarapoto'. Reported resistant to *Puccinia arachidis* and leafspot *Cercopora* sp.

350681 to 350700.

From Netherlands. Seed presented by Hortus Botanicus Universitatis, Nijmegan. Code numbers refer to Index Seminum 1969. Received June 8, 1970.

350681. BRIZA SPICATA Sibth. & Sm. Gramineae.

52.

350682. CALENDULA STELLATA Cav. Compositae.

400.

350683. COLUTEA BREVIALATA Lange Leguminosae.

801.

350684. COLUTEA MEDIA Willd.

802.

350685. LUPINUS ARBOREUS Sims. Leguminosae. **Tree lupine.**

827.

350686 and 350687. MALOPE TRIFIDA Cav. Malvaceae.

350686. 727. F_1.

350687. 728. F_2.

350688. SOLANUM LACINIATUM Ait. Solanaceae.

1265.

350689 to 350692. TAGETES ERECTA L. Compositae. **Aztec marigold.**

350689. 505.

350690. 506. 'Cupido'.

350691. 507. 'Julisonne'.

350692. 508. 'Schwelblite'.

350693. TAGETES LUCIDA Cav.

509.

350694. TAGETES MINUTA L.

510.

350695 to 350698. TAGETES PATULA L. **French marigold.**

350695. 511.

350696. 512. 'Ehrenkreutz'.

350697. 513. 'Nana Bronze'.

350698. 514. 'Oranje Koningin'.

350699 and 350700. TAGETES TENTUIFOLIA Cav.

350699. 515.

350700. 516. 'Ursula'.

350701. FICUS ELASTICA Roxb. ex Hornem. Moraceae.

From India. Seed presented by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received June 18, 1970.

Collected December 1969, Dokuchi, Nalbari, Kamrup District, Assam.

350702 and 350703.

From Union of Soviet Socialist Republics. Seed presented by State Botanical Reservation, Voronege University, Donskoye. Received June 16, 1970.

350702. ALYSSUM DESERTORUM Stapf Cruciferae.

350703. ALYSSUM GMELINII Jord. & Fourr.

350704 and 350705.

From Portugal. Seed presented by Institut Botanique de l'Universite, Coimbra. Received June 5, 1970.

350704. ALBIZIA DITACHYA (Vent.) Macb. Leguminosae.

350705. GLEDITSIA CASPICA Desf. Leguminosae. **Caspian honeylocust.**

350706. TRIFOLIUM REPENS L. Leguminosae. White clover.

From Australia. Seed presented by Commonwealth Scientific and Industrial Research Organization, Division of Plant Industry, Plant Introduction Section, Canberra. Received June 16, 1970.

C.P.I. 19433.

350707 to 350875.

From Switzerland. Seed grown and presented by G. Popow, Swiss Federal Research Station for Agronomy, Zurich. Originally from E. Mayr Collection, Rinn, Austria. Received April 30, 1970.

350707 to 350726. HORDEUM VULGARE L. Gramineae. **Barley.**

350707.	69Z108.171.	Dallach i. Molltal/Kärnten, Austria.
350708.	69Z108.172.	Mallnitz/Kärnten, Austria.
350709.	69Z108.173.	Dornbach/Kärnten, Austria.
350710.	69Z108.174.	Metnitz/Kärnten, Austria.
350711.	69Z108.175.	Kitschdorf/Kärnten, Austria.
350712.	69Z108.176.	Pockhorn/Kärnten, Austria.
350713.	69Z108.177.	Rennweg/Kärnten, Austria.
350714.	69Z108.178.	Lesachtal/Kärnten, Austria.
350715.	69Z108.179.	Zederhaus i. Lungau/Salzburg, Austria.
350716.	69Z108.180.	Hof i. Lungau/Salzburg, Austria.
350717.	69Z108.181.	Niedersill/Pinzgau, Austria.
350718.	69Z108.182.	Winklern/Molltal/Kärnten, Austria.
350719.	69Z108.183.	Pongau/Salzburg, Austria.
350720.	69Z108.184.	Montafon/Vorarlberg, Austria.
350721.	69Z108.185.	Montafon/Vorarlberg, Austria.
350722.	69Z108.186.	St. Jakob a. Arlberg/Tirol, Austria.
350723.	69Z108.187.	Westendorf/Tirol. Austria.
350724.	69Z108.188.	Westendorf/Tirol, Austria.
350725.	69Z108.189.	Fiss/Tirol, Austria.
350726.	69Z108.190.	St. Leonhard i. Pitztal/Tirol, Austria.

350727 to 350875. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

350727.	69Z108.1.	Virgen/Osttirol, Austria.
350728.	69Z108.2.	Virgen/Osttirol, Austria.
350729.	69Z108.3.	Fieberbrunn/Tirol, Austria.
350730.	69Z108.4.	Fieberbrunn/Tirol, Austria.
350731.	69Z108.5.	Fieberbrunn/Tirol, Austria.
350732.	69Z108.6.	Fieberbrunn/Tirol, Austria.
350733.	69Z108.7.	Niederau/Tirol, Austria.
350734.	69Z108.8.	Niederau/Tirol, Austria.
350735.	69Z108.9.	Niederau/Tirol, Austria.
350736.	69Z108.10.	Niederau/Tirol, Austria.
350737.	69Z108.11.	Alpbach/Tirol, Austria.
350738.	69Z108.12.	Alpbach/Tirol, Austria.
350739.	69Z108.13.	Alpbach/Tirol, Austria.
350740.	69Z108.14.	Alpbach/Tirol, Austria.

350707 to 350875—Continued

350727 to 350875—Continued

350741.	69Z108.15.	Alpbach/Tirol, Austria.
350742.	69Z108.16.	Jerzens/Tirol, Austria.
350743.	69Z108.17.	Jerzens/Tirol, Austria.
350744.	69Z108.18.	Jerzens/Tirol, Austria.
350745.	69Z108.19.	Jerzens/Tirol, Austria.
350746.	69Z108.20.	Umhausen/Tirol, Austria.
350747.	69Z108.21.	Umhausen/Tirol, Austria.
350748.	69Z108.22.	Westendorf/Tirol, Austria.
350749.	69Z108.23.	Westendorf/Tirol, Austria.
350750.	69Z108.24.	Westendorf/Tirol, Austria.
350751.	69Z108.25.	Strassen/Osttirol, Austria.
350752.	69Z108.26.	Strassen/Osttirol, Austria.
350753.	69Z108.27.	Strassen/Osttirol, Austria.
350754.	69Z108.28.	Strassen/Osttirol, Austria.
350755.	69Z108.29.	Strassen/Osttirol, Austria.
350756.	69Z108.30.	Wildschonau/Tirol, Austria.
350757.	69Z108.31.	Wildschonau/Tirol, Austria.
350758.	69Z108.32.	Wildschonau/Tirol, Austria.
350759.	69Z108.33.	Brixental/Tirol, Austria.
350760.	69Z108.34.	Brixental/Tirol, Austria.
350761.	69Z108.35.	Lungau/Salzburg, Austria.
350762.	69Z108.36.	Lungau/Salzburg, Austria.
350763.	69Z108.37.	Osttirol, Austria.
350764.	69Z108.38.	Osttirol, Austria.
350765.	69Z108.39.	Osttirol, Austria.
350766.	69Z108.40.	Osttirol, Austria.
350767.	69Z108.41.	Molltal/Karnten, Austria.
350768.	69Z108.42.	Montafon/Vorarlberg, Austria.
350769.	69Z108.43.	Brixental/Tirol, Austria.
350770.	69Z108.44.	Wildschonau/Tirol, Austria.
350771.	69Z108.45.	Wildschonau/Tirol, Austria.
350772.	69Z108.46.	Wildschonau/Tirol, Austria.
350773.	69Z108.47.	Wildschonau/Tirol, Austria.
350774.	69Z108.48.	Stubaital/Tirol, Austria.
350775.	69Z108.49.	Stubaital/Tirol, Austria.
350776.	69Z108.50.	Osttirol, Austria.
350777.	69Z108.51.	Kreit/Tirol, Austria.
350778.	69Z108.52.	Kreit/Tirol, Austria.
350779.	69Z108.53.	Kreit/Tirol, Austria.
350780.	69Z108.54.	Kreit/Tirol, Austria.
350781.	69Z108.55.	Kreit/Tirol, Austria.

350707 to 350875—Continued

350727 to 350875—Continued

350782.	69Z108.56.	Kleinarl/Salzburg, Austria.
350783.	69Z108.57.	Kleinarl/Salzburg, Austria.
350784.	69Z108.58.	Kleinarl/Salzburg, Austria.
350785.	69Z108.59.	Kleinarl/Salzburg, Austria.
350786.	69Z108.60.	Lungau/Salzburg, Austria.
350787.	69Z108.61.	Lungau/Salzburg, Austria.
350788.	69Z108.62.	Lungau/Salzburg, Austria.
350789.	69Z108.63.	Lungau/Salzburg, Austria.
350790.	69Z108.64.	Lungau/Salzburg, Austria.
350791.	69Z108.65.	Dellach im Drautal/Kärnten, Austria.
350792.	69Z108.66.	Dellach im Drautal/Kärnten, Austria.
350793.	69Z108.67.	Dellach im Drautal/Kärnten, Austria.
350794.	69Z108.69.	Brizental/Tirol, Austria.
350795.	69Z108.70.	Brizental/Tirol, Austria.
350796.	69Z108.71.	Osttirol, Austria.
350797.	69Z108.72.	Osttirol, Austria.
350798.	69Z108.73.	Osttirol, Austria.
350799.	69Z108.74.	Osttirol, Austria.
350800.	69Z108.75.	Osttirol, Austria.
350801.	69Z108.76.	Dellach im Drautal/Kärnten, Austria.
350802.	69Z108.77.	Dellach im Drautal/Kärnten, Austria.
350803.	69Z108.78.	Brixental/Tirol, Austria.
350804.	69Z108.79.	Wildschonau/Tirol, Austria.
350805.	69Z108.80.	Wildschonau/Tirol, Austria.
350806.	69Z108.101.	Molltal/Kärnten, Austria.
350807.	69Z108.102.	Molltal/Kärnten, Austria.
350808.	69Z108.103.	Montafon Vorarlberg, Austria.
350809.	69Z108.104.	Osttirol, Austria.
350810.	69Z108.105.	Rangersdorf/Molltal Kärnten, Austria.
350811.	69Z108.106.	Virgen/Osttirol, Austria.
350812.	69Z108.107.	Virgen/Osttirol, Austria.
350813.	69Z108.108.	Heiligengeist/Dobratsch Kärnten, Austria.
350814.	69Z108.109.	Abfaltern/Pustertal Osttirol, Austria.
350815.	69Z108.110.	Abfaltern/Pustertal Osttirol, Austria.
350816.	69Z108.111.	Osttirol, Austria.
350817.	69Z108.112.	Brixental/Tirol, Austria.
350818.	69Z108.113.	Wildschonau/Tirol, Austria.
350819.	69Z108.114.	Wildschonau/Tirol, Austria.
350820.	69Z108.115.	Stubai/Tirol, Austria.
350821.	69Z108.116.	Rangersdorf/Molltal Kärnten, Austria.
350822.	69Z108.117.	Winklern/Molltal Kärnten, Austria.

350707 to 350875—Continued

350727 to 350875—Continued

350823. 69Z108.118. Winklern/Molltal Kärnten, Austria.
350824. 69Z108.119. Gnesau/Kärnten, Austria.
350825. 69Z108.120. Dellach im Drautal Kärnten, Austria.
350826. 69Z108.121. Dellach im Drautal Kärnten, Austria.
350827. 69Z108.122. Heiligengeist/Dobratsch Kärnten, Austria.
350828. 69Z108.123. Osttirol, Austria.
350829. 69Z108.124. Osttirol, Austria.
350830. 69Z108.125. Drautal/Kärnten, Austria.
350831. 69Z108.126. Brixental/Tirol, Austria.
350832. 69Z108.127. Wildschonau/Tirol, Austria.
350833. 69Z108.128. Wildschonau/Tirol, Austria.
350834. 69Z108.129. Stubai/Tirol, Austria.
350835. 69Z108.130. Lungau/Salzburg, Austria.
350836. 69Z108.131. Fieberbrunn/Tirol, Austria.
350837. 69Z108.132. Niederau/Tirol, Austria.
350838. 69Z108.133. Alpbach/Tirol, Austria.
350839. 69Z108.134. Jerzens/Tirol, Austria.
350840. 69Z108.135. Gschnitz/Tirol, Austria.
350841. 69Z108.136. Umhausen/Tirol, Austria.
350842. 69Z108.137. Westendorf/Tirol, Austria.
350843. 69Z108.138. Strassen/Osttirol, Austria.
350844. 69Z108.139. Wildschonau/Tirol, Austria.
350845. 69Z108.140. Jerzens/Tirol, Austria.
350846. 69Z108.141. Jerzens/Tirol, Austria.
350847. 69Z108.142. Gschnitz/Tirol, Austria.
350848. 69Z108.143. Umhausen/Tirol, Austria.
350849. 69Z108.144. Umhausen/Tirol, Austria.
350850. 69Z108.145. Westendorf/Tirol, Austria.
350851. 69Z108.146. Westendorf/Tirol, Austria.
350852. 69Z108.147. Westendorf/Tirol, Austria.
350853. 69Z108.148. Strassen/Osttirol, Austria.
350854. 69Z108.149. Strassen/Osttirol, Austria.
350855. 69Z108.150. Wildschonau/Tirol, Austria.
350856. 69Z108.151. Osttirol, Austria.
350857. 69Z108.152. Brixental/Tirol, Austria.
350858. 69Z108.153. Wildschonau/Tirol, Austria.
350859. 69Z108.154. Osttirol, Austria.
350860. 69Z108.155. Osttirol, Austria.
350861. 69Z108.156. Lungau/Salzburg, Austria.
350862. 69Z108.157. Lungau/Salzburg, Austria.
350863. 69Z108.158. Lungau/Salzburg, Austria.

350707 to 350875—Continued

350727 to 350875—Continued

350864. 69Z108.159. Osttirol, Austria.
350865. 69Z108.160. Osttirol, Austria.
350866. 69Z108.161. Alpbach/Tirol, Austria.
350867. 69Z108.162. Westendorf/Tirol, Austria.
350868. 69Z108.163. Wildschonau/Tirol, Austria.
350869. 69Z108.164. Osttirol, Austria.
350870. 69Z108.165. Wald i. Pinzgau/Salzburg, Austria.
350871. 69Z108.166. Wald i. Pinzgau/Salzburg, Austria.
350872. 69Z108.167. Wald i. Pinzgau/Salzburg, Austria.
350873. 69Z108.168. Wald i. Pinzgau/Salzburg, Austria.
350874. 69Z108.169. Wald i. Pinzgau/Salzburg, Austria.
350875. 69Z108.170. Wald i. Pinzgau/Salzburg, Austria.

350876 to 351051. TRITICUM AESTIVUM L. Gramineae.

Common wheat.

From Switzerland. Seed presented by G. Popow, Swiss Federal Research Station for Agronomy, Zurich. **Received April 30, 1970.**

350876. 69Z2.2/15C. Troistorrent.
350877. 69Z2.3/1229Ba. Verossaz.
350878. 69Z2.4/1229Bb. Verossaz.
350879. 69Z2.5/1229/Bc. Verossaz.
350880. 69Z2.6/1229d. Verossaz.
350881. 69Z2.7/1147d. Iserables.
350882. 69Z2.8/77a. Iserables.
350883. 69Z2.9/1145d. Iserables.
350884. 69Z2.10/1147k. Iserables.
350885. 69Z2.11/1147i. Iserables.
350886. 69Z2.12/1145c. Iserables.
350887. 69Z2.13/1145h. Iseravles.
350888. 69Z2.14/1147c. Iserables.
350889. 69Z2.15/1147a. Iserables.
350890. 69Z2.16/77c. Iserables.
350891. 69Z2.17/1145g. Iserables.
350892. 69Z2.18/1145a. Iserables.
350893. 69Z2.19/1145b. Iserables.
350894. 69Z2.20/840e. Saviese.
350895. 69Z2.21/852d. Saviese.
350896. 69Z2.22/862c. Saviese.
350897. 69Z2.23/844f. Saviese.
350898. 69Z2.24/860c. Saviese.
350899. 69Z2.25/852c. Saviese.
350900. 69Z2.27/844b. Saviese.
350901. 69Z2.28/862d. Saviese.

350876 to 351051—Continued

350902. 69Z2.29/840b. Saviese.
350903. 69Z2.30/862a. Saviese.
350904. 69Z2.31/852h. Saviese.
350905. 69Z2.32/840c. Saviese.
350906. 69Z2.33/844c. Saviese.
350907. 69Z2.34/847b. Saviese.
350908. 69Z2.35/859d. Saviese.
350909. 69Z2.36/852e. Saviese.
350910. 69Z2.37/847h. Saviese.
350911. 69Z2.38/844a. Saviese.
350912. 69Z2.39/853a. Saviese.
350913. 69Z2.40/878Ba. Arbaz.
350914. 69Z2.41/892d. Lens.
350915. 69Z2.42/899a. Lens.
350916. 69Z2.43/896g. Lens.
350917. 69Z2.44/899d. Lens.
350918. 69Z2.45/896e. Lens.
350919. 69Z2.46/899c. Lens.
350920. 69Z2.47/891b. Lens.
350921. 69Z2.48/891e. Lens.
350922. 69Z2.49/893a. Lens.
350923. 69Z2.50/891f. Lens.
350924. 69Z2.52/893d. Lens.
350925. 69Z2.53/892c. Lens.
350926. 69Z2.54/892f. Lens.
350927. 69Z2.55/893b. Lens.
350928. 69Z2.56/898b. Lens.
350929. 69Z2.57/896f. Lens.
350930. 69Z2.58/892e. Lens.
350931. 69Z2.59/906d. Chermignon.
350932. 69Z2.60/914e. Chermignon.
350933. 69Z2.61/918c. Chermignon.
350934. 69Z2.62/906b. Chermignon.
350935. 69Z2.63/917Bd. Chermignon.
350936. 69Z2.64/910e. Chermignon.
350937. 69Z2.65/911a. Chermignon.
350938. 69Z2.66/906c. Chermignon.
350939. 69Z2.67/910d. Chermignon.
350940. 69Z2.68/914d. Chermignon.
350941. 69Z2.69/910f. Chermignon.
350942. 69Z2.70/914c. Chermignon.
350943. 69Z2.71/906a. Chermignon.
350944. 69Z2.72/923e. Montana.

350876 to 351051—Continued

350945. 69Z2.73/923g. Montana.
350946. 69Z2.74/923f. Montana.
350947. 69Z2.75/923c. Montana.
350948. 69Z2.77/923d. Montana.
350949. 69Z2.78/926a. Montana.
350950. 69Z2.79/491a. Guttet.
350951. 69Z2.80/502a. Feschel.
350952. 69Z2.81/466a. Erschmatt.
350953. 69Z2.82/466b. Erschmatt.
350954. 69Z2.83/7c. Ausserberg.
350955. 69Z2.84/423a. Ausserberg.
350956. 69Z2.85/428Ib. Ausserberg.
350957. 69Z2.86/440Ib. Ausserberg.
350958. 69Z2.87/440Ia. Ausserberg.
350959. 69Z2.88/7b. Ausserberg.
350960. 69Z2.89/440If. Ausserberg.
350961. 69Z2.90/7d. Ausserberg.
350962. 69Z2.91–428Ia. Ausserberg.
350963. 69Z2.92/440Id. Ausserberg.
350964. 69Z2.93/7a. Ausserberg.
350965. 69Z2.94/427i. Ausserberg.
350966. 69Z2.95/87a. Mund.
350967. 69Z2.96/87c. Mund.
350968. 69Z2.97/87b. Mund.
350969. 69Z2.98/80a. Birgisch.
350970. 69/2.99/80d. Birgisch.
350971. 69Z2.100/80b. Birgisch.
350972. 69Z2.102/85a. Bitsch.
350973. 69Z2.103/86a. Betten.
350974. 69Z2.104/672a. Ernen.
350975. 69Z2.105/382a. Orsieres.
350976. 69Z2.106/382f. Orsieres.
350977. 69Z2.107/382h. Orsieres.
350978. 69Z2.108/382b. Orsieres.
350979. 69Z2.109/382d. Orsieres.
350980. 69Z2.110/382e. Orsieres.
350981. 69Z2.111/382k. Orsieres.
350982. 69Z2.112/28a. Liddes.
350983. 69Z2.113/350i. Verbier.
350984. 69Z2.114/349h. Bruson.
350985. 69Z2.115/602h. Sarreyer.
350986. 69Z2.116/602a. Sarreyer.
350987. 69Z2.117/602b. Sarreyer.

350876 to 351051—Continued

350988.	69Z2.118/602l.	Sarreyer.
350989.	69Z2.119/602c.	Sarreyer.
350990.	69Z2.120/602k.	Sarreyer.
350991.	69Z2.121/602r.	Sarreyer.
350992.	69Z2.122/602n.	Sarreyer.
350993.	69Z2.123/602s.	Sarreyer.
350994.	69Z2.124/592b.	Sarreyer.
350995.	69Z2.125/640e.	Visperterminen.
350996.	69Z2.127/639b.	Visperterminen.
350997.	69Z2.128/644Ic.	Visperterminen.
350998.	69Z2.129/644Ie.	Visperterminen.
350999.	69Z2.130/649d.	Visperterminen.
351000.	69Z2.131/641Ie.	Visperterminen.
351001.	69Z2.132/640d.	Visperterminen.
351002.	69Z2.133/644Id.	Visperterminen.
351003.	69Z2.134/647Ba.	Visperterminen.
351004.	69Z2.135/647Bd.	Visperterminen.
351005.	69Z2.136/639d.	Visperterminen.
351006.	69Z2.137/647Ae.	Visperterminen.
351007.	69Z2.138/643b.	Visperterminen.
351008.	69Z2.139/649a.	Visperterminen.
351009.	69Z2.140/820d.	Torbel.
351010.	69Z2.141/820b.	Torbel.
351011.	69Z2.142/820c.	Torbel.
351012.	69Z2.143/19b.	Torbel.
351013.	69Z2.144/19a.	Torbel.
351014.	69Z2.145/973a.	Embd.
351015.	69Z2.146/973b.	Embd.
351016.	69Z2.147/190b.	Staldenried.
351017.	69Z2.148/190c.	Staldenried.
351018.	69Z2.149/198a.	Staldenried.
351019.	69Z2.150/1338a.	Eisten.
351020.	69Z2.152/311c.	Anzonico.
351021.	69Z2.153/2074a.	Surava.
351022.	69Z2.154/2074b.	Surava.
351023.	69Z2.155/2088a.	La Punt.
351024.	69Z2.156/2091a.	Schmitten.
351025.	69Z2.157/2091b.	Schmitten.
351026.	69Z2.158/2091c.	Schmitten.
351027.	69Z2.159/2096a.	Franenkirch.
351028.	69Z2.160/1894a.	Casot.
351029.	69Z2.161/1381a.	Innichen.
351030.	69Z2.162/1368a.	Innichen.

350876 to 351051—Continued

351031. 69Z2.163/1382a. Innichen.
351032. 69Z2.164/1382b. Innichen.
351033. 69Z2.165/1369b. St. Johann.
351034. 69Z2.166/1376d. St. Johann.
351035. 69Z2.167/1378b. St. Johann.
351036. 69Z2.168/1369a. St. Johann.
351037. 69Z2.169/1376b. St. Johann.
351038. 69Z2.170/1378c. St. Johann.
351039. 69Z2.171/1370b. Rauris.
351040. 69Z2.172/1371a. Lagrein.
351041. 69Z2.173/1371b. Lagrein.
351042. 69Z2.174/1372a. Kleinarl.
351043. 69Z2.175/1373a. Hannsberg.
351044. 69Z2.177/1380a. Niederndorfberg.
351045. 69Z2.178/1380b. Niederndorfberg.
351046. 69Z2.179/1380c. Niederndorfberg.
351047. 69Z2.180/1383b. Fiss.
351048. 69Z2.181/1384a. Nuziders.
351049. 69Z2.182/1385a. Hirschberg.
351050. 69Z2.183/1386a. Laisach.
351051. 69Z2.184/1387a. Eisenkappel.

351052 to 351058. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Finland. Tubers presented by Agricultural Research Centre, Institute of Plant Breeding, Jokioinen. Received June 24, 1970.

351052. 'Jaakko'. 'Eigenheimer' x 'Goldwahrung'. Early. Table potato. Flesh light yellow. Very high yield. Starch content 15 percent. Susceptible to late blight, scab and virus. Resistant to wart disease.

351053. 'Peippo'. 'Kalev' x (Finnish indigenous x 'Pepo'). Medium early. Fodder potato. High yield. Starch content 14 percent. Susceptible to late blight and virus diseases. Resistant to wart disease.

351054. 'Koto'. 'Eigenheimer' x 'Kalev'. Medium early. Table potato. Flesh light yellow. High yield. Starch content 14 percent. Susceptible to late blight, scab and virus. Resistant to wart disease.

351055. 'Teho'. 'Aquilia' x (Finnish indigenous x 'Pepo') x 'Jogeva 400'. Medium late. Starch production and fodder. Flesh white. High yield. Starch content 16 percent. Susceptible to scab. Resistant to virus, wart disease and late blight.

351056. 'Pito'. 'Golden Wonder' x 'Ella'. Medium late. Table potato and starch production. Flesh yellow. High yield. Starch content 18 percent. Very mealy, baking quality excellent. Resistant to late blight, scab, virus and wart disease.

351057. 'Veto'. 'Aquilia' x 'Rosafolia'. Medium early. Table potato and starch production. Flesh light yellow. High yield. Starch content 17 percent. Resistant to late blight, scab, virus, and wart disease.

351058. 'Jo 0241'. (*Solanum demissum* x 'Early Puritan') x 'Ruusulehti'. Medium late. Table potato. Flesh light yellow. High yield. Starch content 14 percent. Baking quality medium. Susceptible to scab and virus. Resistant to wart and late blight disease.

351059. DATURA sp. Solanaceae.

From Colombia. Cuttings collected by T. E. Lockwood, Institute de Ciencias Naturales, Bogota. Received April 15, 1970.

Flowers pink.

351060 to 351096.

From France. Seed presented by Station Nationale d'Essais de Semences, Service Botanique, Versailles. Received April 15, 1970.

351060. BIFORA RADIANS Bieb. Umbelliferae.

2053.

351061. BRIZA AUSTRALIS Prokudin. Gramineae.

211.

351062. BRIZA ELATIOR J. E. Smith

212.

351063. BRIZA MINOR L. Little quaking grass.

215.

351064. LATHYRUS ANGULATUS L. Leguminosae.

1491.

351065. LATHYRUS ANNUUS L. Peavine.

1492.

351066. LATHYRUS CICERA L. Flatpod peavine.

1493.

351067. LATHYRUS HIEROSOLYMITANUS Boiss.

1495.

351068. LATHYRUS HIRSUTUS L. Rough peavine.

1496.

351069. LATHYRUS INCONSPICUUS L.

1497.

351070. LATHYRUS LATIFOLIUS L.

1499.

351071. LATHYRUS NISSOLIA L.

1500.

351072. LATHYRUS OCHRUS (L.) DC.

1501.

351073. LATHYRUS PRATENSIS L. Meadow peavine.

1502.

351074. LATHYRUS SATIVUS L.

1503.

351075. LATHYRUS SYLVESTRIS L. Flat peavine.

1504.

351076. TRIFOLIUM SUFFOCATUM L. Leguminosae.

1609.

351077. VICIA AMPHICARPA Dorthes Leguminosae.

1639.

351060 to 351096—Continued

351078. VICIA CRACCA L. **Cow vetch.**
1620.

351079. VICIA DISPERMA DC.
1621.

351080. VICIA ERVILIA (L.) Willd. **Bitter vetch.**
1623.

351081. VICIA GRANDIFLORA Scop.
1625.

351082. VICIA GRANDIFLORA var. KITAIBELIANA Koch
1626.

351083. VICIA HIRSUTA (L.) S. F. Gray
1627.

351084. VICIA HYBRIDA L.
1628.

351085. VICIA INCANA Gouan.
1629.

351086. VICIA LATHYROIDES L.
1630.

351087. VICIA LUTEA L.
1631.

351088. VICIA LUTEA var. LAEVIGATA (Sm.) Boiss.
1632.

351089. VICIA MACROCARPA (Moris) Bertol.
1640.

351090. VICIA MONANTHA subsp. TRIFLORA (Ten.) B. L. Burtt & C. Lewis
1634.

351091. VICIA PEREGRINA L.
1638.

351092. VICIA SEPIUM L.
1645.

351093. VICIA SYLVATICA L.
1646.

351094. VICIA TETRASPERMA (L.) Moench.
1647.

351095. VICIA VILLOSA Roth **Hairy vetch.**
1650.

351096. VICIA VILLOSA var. ERIOCARPA (Hausskn.) P. W. Ball
1648.

351097 and 351098.

From Israel. Seeds presented by The National and University Institute of Agriculture, Plant Introduction Service, Rehovoth. Received June 28, 1970.

351097. CARTHAMUS NITIDUS Boiss. Compositae.

351098. CARTHAMUS PALAESTINUS Eig Compositae.

351099 and 351100. ARACHIS HYPOGAEA L. Leguminosae. **Peanut.**

From Israel. Seeds presented by Plant Introduction Service, The Volcani Institute of Agricultural Research, Beit Dagan. Received June 29, 1970.

351099. 1503–1.

351100. 1506–1.

351101. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

From Austrialia. Seeds presented by Australian Wheat Collection, Tamworth, New South Wales. Received June 30, 1970.

AUS 128. 'Clarendon'.

351102 to 351128. ORYZA SATIVA L. Gramineae. **Rice.**

From Philippines. Seeds presented by International Rice Research Institute, Manila. Received June 22, 1970.

351102. 67. PTB 10.
351103. 237. TKM–6.
351104. 3472. 'Marunga 307'.
351105. 3475. 'Sudurvi 305'.
351106. 5999. 'Pankhari 203'.
351107. 6107. PTB 19.
351108. 6300. SLO 12.
351109. 6380. ASD 9.
351110. 6663. 'Mudgo'.
351111. 7728. 'Padimawee'.
351112. 7730. 'Hathiel'.
351113. 7731. 'Kuruhondarawala'.
351114. 7733. 'Gangala'.
351115. 7734. 'Thirissa'.
351116. 7752. 'Balamawee'.
351117. 7814. 'Dikwee'.
351118. 8383. DNJ 45.
351119. 8811. DV 12.
351120. 8937. 'Pannetti'.
351121. 8978. 'Babawee'.
351122. 8990. 'Seruvellai'.
351123. 8932. T5.
351124. 10636. AC 1423.
351125. 11052. PTB 18.
351126. 11053. PTB 21.
351127. 11068. 'Eswarakorra'.
351128. 11760. 'Chinsurah Boro II'.

351129. SOLANUM MELONGENA. L. Solanaceae. **Eggplant.**

From Japan. Seed presented by T. Sakata Seed Company, Ltd., Yokohama. Received June 29, 1970.

3637. 'Kurume Long'.

351130 to 351133. CUCUMIS MELO L. Cucurbitaceae. **Muskmelon.**

From Israel. Seeds presented by Plant Introduction Service, The Volcani Institute of Agricultural Research, Biet Dagan. Received June 29, 1970.

351130. 201. Iran. Short internodes. Fruit concentrated near center of plant, uniform ripening, small, round, flavor and aroma faint. Disease susceptible.

351131. 202. Iran. Short internodes. Fruit concentrated near center of plant, uniform ripening, small, round, flavor and aroma faint. Disease susceptible.

351132. 203. Iran. Short internodes. Fruit concentrated near center of plant, uniform ripening, small, round, flavor and aroma faint. Disease susceptible.

351133. 221. Iran. Short internodes. Fruit concentrated near center of plant; very early. Disease susceptible.

351134 to 351136. SOLANUM TUBEROSUM L. Solanaceae. **Potato.**

From Union of Soviet Socialist Republics. Tubers presented by V. S. Lekhnovitch, N. Vavilov All-Union Institute of Plant Industry, Leningrad. Received July 22, 1970.

351134 to 351136—Continued

351134. 'Abidov N2 Improved'. Selection from Chilean clone. Late.

351135. 'Chanty-Mansijskij'. 'Local Rose' X 'Kameraz N1'. Early.

351136. 'Narymskij Early'. 'Early Rose' X 'Berlichingen' Open pollinated seedling No. 60.

351137. PHASEOLUS VULGARIS L. Leguminosae. Common bean.

From United States. Seeds presented by Oscar Will Seed Company, Bismarck, North Dakota. Received June 12, 1970. V–010. 'Nidatsa'.

Old cultivar of Hidatsa Indian tribe, Northern Great Plains. Seed red, medium to small, somewhat flattened.

351138. ALLIUM CEPA L. Liliaceae. Onion.

From Hungary. Seed presented by H. M. Munger, Department of Vegetable Crops, Cornell University, Ithaca, New York. Received July 16, 1970.

'Makoi'. Set-grown, yellow, high dry matter. Principal Hungarian variety.

351139 and 351140. CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.

From Union of Soviet Socialist Republics. Seed presented by Dr. D. D. Brezhnev, N. Vavilov All-Union Institute of Plant Industry, Leningrad. Received July 17, 1970.

351139. 'Hermaphrodite 61'.

351140. 'Hermaphrodite 62'.

351141. IRIS SPECULATRIX Hance Iridaceae.

From Hong Kong. Rhizomes presented by the Hong Kong Herbarium, Urban Services Department, Central Government Offices. Received July 10, 1970. Mt. Victoria.

351142 to 351144. ULMUS GLABRA Huds. Ulmaceae. Scotch elm.

From Finland. Seed presented by Martti Lepisto, Foundation for Forest Tree Breeding, Helsinki. Received July 1, 1970.

351142. 70–K 421. Nilsia.

351143. 70–E 1268. Pohja.

351144. met.34. Fiskars.

351145 and 351146.

From Greece. Seed presented by Jardin Botanique, De L'Universite D'Athens, Athens. Received June 22, 1970.

351145. GLEDITSIA SINENSIS Lam. Leguminosae. Chinese honeylocust.

351146. PLATANUS ORIENTALIS L. Platanaceae. Oriental plane tree.

351147. GALEGA OFFICINALIS L. Leguminosae.

From Afghanistan. Seed held at Regional Plant Introduction Station, Pullman, Washington. Received July 1, 1968.

351148. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Union of Soviet Socialist Republics. Seed presented by V. F. Lishchenko, Assistant to the Agricultural Counselor, Embassy of the Union of Soviet Socialist Republics, Washington, D.C. Received July 20, 1970.

'Kharkovskaja 46'.

351149. JUNCUS MARITIMUS Lam. Juncaceae.

From Israel. Seed collected by Soil Conservation Division, Ministry of Agriculture, Sand Drift Control, Haifa. Received July 14, 1970.

Sand dunes, Haifa Bay Experiment Station.

351150 to 352553.

From Switzerland. Seed presented by M. Ingold, Federal Agricultural Research Station, Nyon. Received December 8, 1969.

351150 to 352262. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

351150. T–124. 'Strickhof'.
351151. T–125. 'Rothenbrunnen 10'.
351152. T–126. 'Bisnacht 9'.
351153. T–127. 'Roter Muri'.
351154. T–128. 'Hornussen 24'.
351155. T–129. 'Adliker 9'.
351156. T–131. 'Rutti 40'.
351157. T–132. 'Vorenwald 6'.
351158. T–133. 'Saane 12'.
351159. T–134. 'Sense 3'.
351160. T–135. 'Unter Engadin 9'.
351161. T–136. 'Monte-Calme XXII'.
351162. T–141. 'Festetics Keszthelí'.
351163. T–167. 'Sandu Aldea'.
351164. T–171. 'Danubiana Roman'.
351165. T–175. 'Janetzkis fruhe Kreuzung'.
351166. T–177. 'Siegfried'.
351167. T–180. 'Ritzlhofer'.
351168. T–182. 'Trubilo'.
351169. T–186. 'Hauter'.
351170. T–188. 'Sol III'.
351171. T–194. 'Skandia'.
351172. T–196. 'Rothenbrunnen 32'.
351173. T–198. 'Rheinauer'.
351174. T–199. 'Plaine'.
351175. T–200. 'Barbu due Tronchet'.
351176. T–201. 'Munstertaler'.
351177. T–202. 'Nostrano 32'.
351178. T–203. 'Guggisberg'.
351179. T–209. 'Erythrospermum 0160/10'.
351180. T–214. 'Terminillo'.
351181. T–221. 'Deli'.
351182. T–224. 'Sabina'.
351183. T–247. 'Wagenburg'.
351184. T–250. 'Janetzkis 500'.
351185. 8–252. 'Weihenstephaner II'.
351186. T–261. 'Bankuti'.
351187. T–276. 'ex Taillens velu'.
351188. T–298. 'Ceres'.
351189. T–320. 'Progresso'.

351150 to 352553—Continued

351150 to 352262—Continued

351190.	T–322.	'Austral 1'.
351191.	T–328.	'Austral 7'.
351192.	T–329.	'Austral 8'.
351193.	T–332.	'Austral 10'.
351194.	T–333.	'Austral 12'.
351195.	T–335.	'Austral 14'.
351196.	T–336.	'Austral 15'.
351197.	T–337.	'Austral 16'.
351198.	T–363.	'Villa Glori'.
351199.	T–363.	'Aring II'.
351200.	T–384.	'Van Hoek'.
351201.	T–411.	'Jubile II'.
351202.	T–417.	'Moskovskaja 02460'.
351203.	T–440.	'Michigan Amber'.
351204.	T–441.	'Rouge d'Ecosse'.
351205.	T–442.	'Strubes Dickkopf'.
351206.	T–446.	'Carstens Dickkopf'.
351207.	T–451.	'Malakof'.
351208.	T–478.	'Marquis'.
351209.	T–491b.	'ex RL 2325'.
351210.	T–491c.	'ex RL 2325'.
351211.	T–494.	'Henri'.
351212.	T–506.	'Pusa 121'.
351213.	T–542.	'Asturie B 1'.
351214.	T–547.	
351215.	T–556.	
351216.	T–591.	'Nord'.
351217.	T–601.	'Nevodvorska Niva'.
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351696. T–1796. '321 BT 11 B 1'.

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351698. T–1799.

351699. T–1800. 'Abbondanza'.

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351701. T–1810.

351702. T–1811. 'Watan'.

351703. T–1813. 'Grajutchai'.

351704. T–1816. 'Belorusskaja 15'.

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351706. T–1818. 'Duwanskaja a epi rouge'.

351707. T–1824. 'Alter'.

351708. T–1828. 'R 16'.

351709. T–1829. '0.9'.

351710. T–1831. 'S 15'.

351711. T–1834. 'Provins'.

351712. T–1835. 'Rouvilliers 54'.

351713. T–1836. 'Pia'.

351714. T–1837. 'Rudest'.

351715. T–1838. 'Miche'.

351716. T–1839. 'Fondard'.

351717. T–1842. 'Vilmorin—Sud'.

351718. T–1843. 'Elite'.

351719. T–1844. 'Mariau'.

351720. T–1845. 'Maitre Pierre'.

351721. T–1846. 'S 10'.

351722. T–1849. 'Norin 45'.

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351727. T–1866. 'Cluj 138'.

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351730. T–1870. 'Jasi 2690'.

351731. T–1871. 'Jasi 3703'.

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351733. T–1880. 'Cluj 48–600'.

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351743. T–1892. 'Cluj 49–926'.

351744. T–1894.

351745. T–1895. **'Magherus'.**

351746. T–1898. **'Cimpia Turzii 50–805'.**

351747. T–1901. 'Ulca alba'.

351748. T–1905. 'Jasi 101'.

351749. T–1906. 'Jasi 8 T'.

351750. T–1907. 'Jasi 33'.

351751. T–1913. 'Agrella'.

351752. T–1914. 'Albimonte'.

351753. T–1915. 'Conti 47'.

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351756. T–1922. 'CF 51–21'.

351757. T–1925. 'Heine 13037'.

351758. T–1926. 'Fason'.

351759. T–1927. 'Safir'.

351760. T–1928. 'Probat'.

351761. T–1929. 'Kenya 117 A'.

351762. T–1931.

351763. T–1934.

351764. T–1940. 'Iran 246'.

351765. T–1941. 'Iran 811'.

351766. T–1943. 'Iran 880'.

351767. T–1944. 'Iran 906'.

351768. T–1945. 'Iran 936'.

351769. T–1946. 'Iran 969'.

351770. T–1947. 'Iran 1307'.

351771. T–1948. 'Iran 2355'.

351772. T–1949. 'Iran 2588'.

351773. T–1950. 'Iran 5775'.

351774. T–1953. 'Iran 6476'.

351775. T–1954. 'Khapstein'.

351776. T–1955. 'Kenya 117A'. **(Australia).**

351777. T–1956. 'Hardired'.

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351778. T–1957. 'Coastal'.
351779. T–1961. 'Fortaleza'.
351780. T–1962. 'Garazinho'.
351781. T–1970.
351782. T–1981. 'Karat'.
351783. T–1982. 'Dr. Lassers begrannter'.
351784. T–1984.
351785. T–1986.
351786. T–1987. 'A 170'.
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351788. T–1989. 'Pilote'.
351789. T–1991. 'Alcy'.
351790. T–1992. 'Gilma'.
351791. T–1993. 'Valdor'.
351792. T–1994. 'Alterna'.
351793. T–1995. 'Artois'.
351794. T–1996. St. Remy'.
351795. T–1997.
351796. T–1998. 'B 40'.
351797. T–1999. 'B 58'.
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351800. T–2002. 'B 101'.
351801. T–2003. 'B 103'.
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351808. T–2010. 'Rumanien 3659'.
351809. T–2011. 'Magyarovar 3355'.
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351811. T–2016. 'Pane 3'.
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351813. T–2024. 'Ellar'.
351814. T–2026. 'N.D. 22'.
351815. T–2032. 'Royal'.
351816. T–2033. 'Froment du Japon'.
351817. T–2036.
351818. T–2038. '34/50 M 1'.
351819. T–2039. 'ex Reward'.

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351821. T–2041. '0224/52'.
351822. T–2042.
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351832. T–2052A. 'W IV'.
351833. T–2052C. 'W IV'.
351834. T–2053. 'W V'.
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351878. T–2097. 'Kiska 7'.
351879. T–2099. 'ex Mininco 1955'.
351880. T–2100. 'ex Mininco 1955'.
351881. T–2101. 'Licura 1953'.
351882. T–2103. 'Copifen'.
351883. T–2105. 'Trigo africano'.
351884. T–2106. 'Primavera Osorno'.
351885. T–2107. 'Castano'.
351886. T–2108. 'Porvenir'.
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351919. T–2159.
351920. T–2165. 'A 270' (ex Probus).
351921. T–2166. 'Stirpe C2–6–1'.
351922. T–2167. 'Carme 23'.
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351935. T–2180. 'Halle 3435/46'.
351936. T–2181. 'Medsched-Ridit'.
351937. T–2184. 'Carest'.
351938. T–2187. 'Febrmarn weiss'.
351939. T–2189. 'A 142'.
351940. T–2190. 'A 444'.
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351942. T–2191. 'Probelle'.
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351944. T–2194. 'Roter Lowe'.
351945. T–2197. 'Restauracao'.

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351946. T–2199. 'Rural'.

351947. T–2200. 'Padeira'.

351948. T–2201. 'Lassers Septoria resist'.

351949. T–2202. '44CH'.

351950. T–2204. 'Messelstein'.

351951. T–2205. 'Authari'.

351952. T–2207. 'Welo'.

351953. T–2208. 'Bayro'.

351954. T–2209. 'Turmalin'.

351955. T–2210. 'Argento'.

351956. T–2213. 'MM'.

351957. T–2214. 'Brucker Harrach'.

351958. T–2215. 'Hubertus'.

351959. T–2217. 'Witiko'.

351960. T–2223. 'Crystal'.

351961. T–2225. 'Fertyl'.

351962. T–2226. 'Proqual'.

351963. T–2234. 'Orpas 2'.

351964. T–2235. 'Marimp 3'.

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351971. T–2242. 'Grano'.

351972. T–2244. 'Densi'.

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351974. T–2246. 'Lera'.

351975. T–2251. 'Colon'.

351976. T–2255. 'Format'.

351977. T–2256. 'C.B. 26'.

351978. T–2260. 'Z.31.25'.

351979. T–2261. 'Z.31.33'.

351980. T–2262. 'Z.31.35'.

351981. T–2264. 'Z.39.36'.

351982. T–2265. 'A 909'.

351983. T–2266. 'A 912'.

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351986. T–2270. 'Ramona 50'.

351987. T–2272. 'Timvera W 1308'.

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351988. T–2276. 'Mengari W 2951'.
351989. T–2277. 'Ta 3332'.
351990. T–2278. 'Ta 4693'.
351991. T–2279. 'Z88.39'.
351992. T–2280. 'Z88.40'.
351993. T–2281. 'Z88.54'.
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352012. T–2320. 'MGH 52–82'.
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352015. T–2327. 'Mahon Demias'.
352016. T–2328.
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352044. T–2388. 'NA 101 M10 3–1–5–2'.

352045. T–2389. 'M10 RE 4A–1–3–1–4'.

352046. T–2390. 'M10 RE 4–6–2–4'.

352047. T–2391. 'M10 K 117–A 1–1'.

352048. T–2392. 'Lee M10 3–8'.

352049. T–2393. 'Weibull 7327'.

352050. T–2394. 'Weibull 7330'.

352051. T–2402. 'Relin (LNL)'.

352052. T–2420. 'Atlantico'.

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352054. T–2422. 'Bolivar'.

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352060. T–2428. 'Atlas'.

352061. T–2429. 'Impacto'.

352062. T–2430. 'Vivela Mar'.

352063. T–2431. 'Vivela Sol'.

352064. T–2432. 'Olaeta Artillero'.

352065. T–2433. 'Olaeta Rumbo'.

352066. T–2434. 'Buenos Aires 105'.

352067. T–2435. 'Buenos Aires 110'.

352068. T–2436. 'Guatrache Hacal'.

352069. T–2437. 'Guatrache Puelen'.

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352210. T–2648. 'B767'.

352211. T–2649.

352212. T–2650. 'Arin'.

352213. T–2651. 'B177'.

352214. T–2652. 'B696'.

352215. T–2653.

352216. T–2654. 'Froment Tibet'.

352217. T–2655. 'Froment Tibet (1674)'.

352218. T–2658. 'Froment Tibet (1680)'.

352219. T–2659. 'Montana 923g'.

352220. T–2661. 'Orsieres 382f'.

352221. T–2735. 'A1110'.

352222. T–2736. 'A742'.

352223. T–2737. 'Staldenried 190c'.

352224. T–2738. 'Torbel 820b'.

352225. T–2739. 'Hannsberg 1373a'.

352226. T–2740. 'Niederndorferberg 1380c'.

352227. T–2741. 'Fiss 1383b'.

352228. T–2742. 'Nueiders 1384a'.

352229. T–2743. 'Palmaress'.

352230. T–2746. 'B437'.

352231. T–2747.

352232. T–2748.

352233. T–2749. 'B795'.

352234. T–2750.

352235. T–2751. 'B848'.

352236. T–2752.

352237. T–2753.

352238. T–2754. 'B783'.

351150 to 352553—Continued

351150 to 352262—Continued

352239. T–2750.

352240. T–2757. 'TP 114/1965/A'.

352241. T–2758.

352242. T–2759. 'TP 229/1965/c'.

352243. T–2760.

352244. T–2809.

352245. T–2810.

352246. T–2811.

352247. T–2812.

352248. T–2813. 'Novi Sad 1439'.

352249. T–2840.

352250. T–2841.

352251. T–2842.

352252. T–2843.

352253. T–2844.

352254. T–2845.

352255. T–2846.

352356. T–2847. 'Y.50 c Fn/U–Th/mt'.

352257. T–2848.

352258. T–2849.

352259. T–2850.

352260. T–2851.

352261. T–2852.

352262. T–2853.

352263 to 362265. TRITICUM ARARATICUM Jakubz.

352263. T–1505.

352264. T–2482.

352265. T–2669.

352266 to 352277. TRITICUM BOEOTICUM Boiss.

352266. T–339.

352267. T–340.

352268. T–422.

352269. T–837.

352270. T–838.

352271. T–1495.

352272. T–1597.

352273. T–1598. 'Angora 3'.

352274. T–1735.

352275. T–2297.

352276. T–2370.

352277. T–2378.

351150 to 352553—Continued

352278 to 352282. TRITICUM CARTHLICUM Nevski

352278. T–1300.

352279. T–1513.

352280. T–1514.

352281. T–1819.

352282. T–2117.

352283 to 352321. TRITICUM COMPACTUM Host — **Club wheat.**

352283. T–195.

352284. T–382. 'Staring'.

352285. T–414. 'Trifolium'.

352286. T–418. 'Leningrad O 479'.

352287. T–508. 'I P 165'.

352288. T–811. 'K 192 Q/2 A L'.

352289. T–880.

352290. T–908. 'Demeter'.

352291. T–1064. 'Ernest Lemaire'.

352292. T–1070. 'Lemaire 56'.

352293. T–1112.

352294. T–1127. 'Rene Leblond'.

352295. T–1131. 'Variation Hybr. 40'.

352296. T–1158. 'Attilio Fabrini'.

352297. T–1205. 'Grimentz'.

352298. T–1212. 'Rouge de la Gruyere'.

352299. T–1213. 'Rouge de le Gruyere'.

352300. T–1218. 'Chiddam de Mars'.

352301. T–1237. 'Groninger'.

352302. T–1317. 'Tirol.mittelfr. Binkel'.

352303. T–1456.

352304. T–1457. 'Touzelle blanche'.

352305. T–1554.

352306. T–1594. 'Ble d'Avril'.

352307. T–1612. 'Konia'.

352308. T–1613. 'Butschak'.

352309. T–1641. 'Karntner Kolben II'.

352310. T–1749. 'Cremona Razze C'.

352311. T–1899. 'Uca 604'.

352312. T–1938. 'Wysokolitewka'.

352313. T–1978. 'Bonus'.

352314. T–2013. 'Montsec'.

352315. T–2329. 'Baroota 8.791'.

352316. T–2345. 'Falco'.

352317. T–2546. 'A 808 (Capp. x Ackerm I)'.

351150 to 352553—Continued

352283 to 352321—Continued

352318. T–2555. 'A 1120 (Ertus x 0.10)'.

352319. T–2577. 'Compactoide x (ex Lichti)'.

352320. T–2578. 'Compactoide 10'.

352321. T–2745.

352322 to 352328. TRITICUM DICOCCOIDES (Koern. ex Asch & Graebn.) Aaronsohn

352322. T–1305. 'Mont Hermon'.

352323. T–1501.

352324. T–1503.

352325. T–2233.

352326. T–2373.

352327. T–2374.

352328. T–2375.

352329 to 352369. TRITICUM DICOCCON Schrank

352329. T–112. 'Tossia'.

352330. T–117.

352331. T–118.

352332. T–430.

352333. T–431.

352334. T–432.

352335. T–487. 'Vernal'.

352336. T–518. 'Asturie B6'.

352337. T–520. 'Asturie L2'.

352338. T–521. 'Asturie L6'.

352339. T–522. 'Asturie L7'.

352340. T–524.

352341. T–525. 'Asturie 4B'.

352342. T–526. 'Asturie 4D'.

352343. T–738.

352344. T–779a.

352345. T–781b.

352346. T–781c.

352347. T–1502.

352348. T–1504.

352349. T–1506.

352350. T–1507.

352351. T–1508.

352352. T–1509.

352353. T–1510.

352354. T–1511.

352355. T–1512.

352356. T–1602.

352357. T–1603.

351150 to 352553—Continued

352329 to 352369—Continued

352358. T–1604. 'Amidonnier'.
352359. T–1605.
352360. T–1606. 'Keda'.
352361. T–1966. 'Rossi'.
352362. T–1967. 'Paganuzzi'.
352363. T–1968.
352364. T–2231. 'Iran 355b'.
352365. T–2376.
352366. T–2377.
352367. T–2379.
352368. T–2380.
352369. T–2415.

352370 to 352464. TRITICUM DURUM Desf. Durum wheat.

352370. T–290. '0.10'.
352371. T–292. '0.189'.
352372. T–293. '0.432'.
352373. T–342. 'Capinera'.
352374. T–347.
352375. T–350.
352376. T–356.
352377. T–357.
352378. T–359. 'Beloclassa'.
352379. T–371. 'Candeal'.
352380. T–435. 'Angora'.
352381. T–436. 'Torcal'.
352382. T–437. 'Campania'.
352383. T–438. 'Scorzonera'.
352384. T–481. 'Arnautka'.
352385. T–483. 'Shelmar'.
352386. T–484. 'Kubanka'.
352387. T–485. 'Acme'.
352388. T–840.
352389. T–841. 'Caravicos'.
352390. T–842.
352391. T–921. 'Barbanegra'.
352392. T–1214.
352393. T–1296.
352394. T–1297.
352395. T–1303.
352396. T–1335.
352397. T–1383. 'Carleton'.
352398. T–1384. 'Mindum'.

351150 to 352553—Continued

352370 to 352464—Continued

352399. T–1385. 'Pentad'.
352400. T–1386. 'Stewart'.
352401. T–1521. 'Edirne'.
352402. T–1522. 'Izmir'.
352403. T–1523. 'Eskishehir'.
352404. T–1524. 'Torcal'.
352405. T–1525. 'Lucana 45'.
352406. T–1527.
352407. T–1528.
352408. T–1560.
352409. T–1562. 'Bidi 17'.
352410. T–1564. 'Oued Zenati 368'.
352411. T–1565. 'Aubaine rouge'.
352412. T–1566. 'Oued Zenati x Bouteille'.
352413. T–1567. 'Mahmoudi'.
352414. T–1583. 'Sentore Cappelli'.
352415. T–1584. 'Aziziah 17/45'.
352416. T–1585. 'Dauno III'.
352417. T–1586. 'Garigliano'.
352418. T–1587. 'Sabaudia'.
352419. T–1608. 'Lala'.
352420. T–1635.
352421. T–1636.
352422. T–1763. 'RF 413–27'.
352423. T–1851. 'Beckman 2117–37'.
352424. T–1861. 'Arnaut de Nemreci'.
352425. T–1862. 'Melanopus 69'.
352426. T–1863. 'Linia 101'.
352427. T–1864. 'Linia 107'.
352428. T–1865. 'Linia 102'.
352429. T–1911. 'Grifoni 235'.
352430. T–1912. 'Capeiti 8'.
352431. T–2104.
352432. T–2110. 'Andalucia 344'.
352433. T–2111. 'Jerez 36'.
352434. T–2112. 'Hibrido Lebrija'.
352435. T–2113. 'Hibrido D'.
352436. T–2114.
352437. T–2115.
352438. T–2118.
352439. T–2219. 'Harrach Extradur'.
352440. T–2258.
352441. T–2305. 'Melanopus 1932'.

351150 to 352553—Continued

352370 to 352464—Continued

352442. T–2306. 'Hordeiforme 27'.
352443. T–2325. 'Mohamed Ben Bachir'.
352444. T–2326. 'Langlois 1.527'.
352445. T–2416.
352446. T–2484.
352447. T–2485.
352448. T–2486.
352449. T–2525. 'Raketa'.
352450. T–2527. 'T 76 L2'.
352451. T–2528. 'F6 417'.
352452. T–2529. 'T55'.
352453. T–2530. 'Marsica 4'.
352454. T–2531. 'F6458'.
352455. T–2532. 'F6617'.
352456. T–2533.
352457. T–2534. 'LD 308'.
352458. T–2535. 'T 102'.
352459. T–2536. 'T 32'.
352460. T–2542. 'Maliani 2'.
352461. T–2543. 'Maliani 11'.
352462. T–2544. 'Maliani 17'.
352463. T–2657. 'Adur'.
352464. T–2734. 'Lez'.

352465. TRITICUM × FUNGICIDUM Zhuk.

T–2419.

352466 to 352472. TRITICUM MACHA Dekapr. & Men.

352466. T–1308.
352467. T–1309.
352468. T–1455.
352469. T–2302.
352470. T–2382.
352471. T–2383.
352472. T–2384.

352473 to 352486. TRITICUM MONOCOCCUM L.

352473. T–537. 'JE 3'.
352474. T–539. 'JE 19'.
352475. T–839.
352476. T–1215.
352477. T–1295.
352478. T–1304.
352479. T–1496. 'Christiansen 118'.
352480. T–1497. 'Kelcyras'.
352481. T–1498.
352482. T–1599. 'G81'.
352483. T–1600.
352484. T–1601.
352485. T–2372.
352486. T–2414.

352487 to 352493. TRITICUM POLONICUM L. **Polish wheat.**

352487. T–742.
352488. T–1301. 'Mirabella'.
352489. T–1515.
352490. T–1516.
352491. T–1517.
352492. T–2301.
352493. T–2483.

351150 to 352553—Continued

352494 to 352497. TRITICUM SPELTA L. **Spelt.**

352494. T–1312. 'Neuegg'.
352495. T–1313. 'Elsenegger'.
352496. T–2259. 'Z 31.10'.
352497. T–2263. 'Z 31.40'.

352498 and 352499. TRITICUM SPHAEROCOCCUM Perc.

352498. T–1302. 'Acarp'.
352499. T–1529. 'Cawnpore'.

352500 to 352505. TRITICUM THAOUDAR Reut. ex Hausskn.

352500. T–836.
352501. T–1595. 'Angora 4'.
352502. T–1596. 'Christiansen'.
352503. T–2232. 'Iran 364'.
352504. T–2371.
352505. T–2489.

352506 to 352512. TRITICUM TIMOPHEEVII (Zhuk.) Zhuk.

352506. T–343.
352507. T–1499.
352508. T–1500.
352509. T–2116.
352510. T–2298.
352511. T–2300.
352512. T–2670.

352513 to 352515. TRITICUM TURANICUM Jakubz.

352513. T–1298. 'Khorosan'.
352514. T–2304. 'Zogal Bugda'.
352515. T–2418.

352516 to 352551. TRITICUM TURGIDUM L. **Poulard wheat.**

352516. T–344. 'Geant du Milanais'.
352517. T–543. 'Asturie B3'.
352518. T–544. 'Asturie B4'.
352519. T–545. 'Asturie H1'.
352520. T–546. 'Asturie H2'.
352521. T–548. 'Asturie H4'.
352522. T–549. 'Asturie H7'.
352523. T–550. 'Asturie H8'.
352524. T–551. 'Asturie H9'.
352525. T–552. 'Asturie L1'.
352526. T–553. 'Asturie L2'.
352527. T–554. 'Asturie L6'.
352528. T–555. 'Asturie L7'.
352529. T–568. 'Asturie 4C'.
352530. T–569. 'Asturie 4D'.
352531. T–777a. 'J 10a'.
352532. T–777b. 'J 10b'.
352533. T–777c. 'J 10c'.
352534. T–777d. 'J 10d'.
352535. T–777e. 'J 10e'.
352536. T–784. 'Osiris'.
352537. T–825. 'Civitella 204'.
352538. T–843. 'Rivet'.
352539. T–844.
352540. T–845. 'Cenad'.
352541. T–846. 'Albershofer'.
352542. T–1193. 'Tanis'.
352543. T–1195. 'Pharaons'.
352544. T–1306. 'Nonette de Lausanne'.
352545. T–1307. 'Senostris IV'.
352546. T–1518.
352547. T–1519. 'Barba de Cobo'.
352548. T–1520.
352549. T–1609. 'Campania 21'.
352550. T–1611. 'Analipsie'.
352551. T–2417.

352552 and 352553. TRITICUM ZHUKOVSKYI Men. & Er.

352552. T–2299.
352553. T–2671.

352554. GEODORUM NUTANS Ames Orchidaceae.

From Philippines. Plants collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland, for USDA-Longwood Cooperative Program. Received April 24, 1970.

814. Mt. Makiling. Laguna Province. Elevation 763 m. Terrestrial herb to 23 cm.; creeping stem with one-leaved secondary stems; leaf 20 cm.; elliptical, few yellow spots. Wild.

352555 and 352556.

From Indonesia. Plants collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland, for USDA-Longwood Cooperative Program. Received April 27, 1970.

352555. DENDROBIUM CYMBIDIOIDES Lindl. Orchidaceae.

825. Tjibodas Mountain Botanic Garden. Epiphytic orchid. Ovate pseudobulbs to 2.9 cm.; 2 terminal leaves 8.5 cm. long; inflorescence terminal, few flowered. Flowers white with red-purple in the throat. Wild.

352556. PTERIS sp. Polypodiaceae.

834. Fern with branched fronds, pinnae linear, variegated with white. Cultivated.

352557 to 352627.

From New Guinea. Plants collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland, for USDA-Longwood Cooperative Program. Received April 23, 1970.

352557. ACANTHEPHIPPIUM PAPUANUM Schlechter Orchidaceae.

137. Patep #2 Village. Terrestrial, to 0.75 m. tall; pseudobulb cylindric to 10 cm. tall; inflorescence produced at time of new vegetative growth; flowers 3–4 cm. long, inflated and beaked in bud, yellow below, veined purple-red on reflexed part of petals, lip yellow. Wild.

352558. ANOECTOCHILUS sp. Orchidaceae. **Jewell orchid.**

167. Patep #2 Village. Terrestrial, stemmy with lower part rooting; leaves to 6 cm., red- to olive-green above, marked with silver; lower surface orange to red. Wild.

352559. ASTELIA PAPUANA Skottsb. Liliaceae.

588. Australian National University Research Station, Mt. Wilhelm. Elevation 3,569 m. Dwarf herb in alpine bog; strap leaves to 7.6 cm. long; inflorescence a branched scape; fruit a red berry, 1 cm. long. Wild.

352560. BULBOPHYLLIUM GRANDIFLORUM Blume Orchidaceae.

200. Patep #2 Village. Epiphytic orchid to 31 cm. Wild.

352561. BULBOPHYLLUM sp. Orchidaceae.

87. Meri Creek on gold mine tailings. Elevation 1,372 m. Mat forming; pseudobulbs small, flowers small, creamy yellow. Wild.

352562. BULBOPHYLLUM sp.

177. Patep 2 Village. Epiphytic; 5.08 cm. flower in terminal cyme on 30.6 cm. stem; cream, heavily flushed dark rose. Wild.

352563. BULBOPHYLLUM sp.

189–A. Patep 2 Village. Wild.

352564. BULBOPHYLLUM sp.

197. Patep 2 Village. Dwarf epiphytic orchid. Wild.

352565. BULBOPHYLLUM sp.

198–A. Patep 2 Village. Forming dense clusters of rhizomes. Leaves to 15 cm. Wild.

352557 to 352627—Continued

352566. BULBOPHYLLUM sp.

400. Hill below Oregenang Village. Elevation 1,219 m. Epiphytic. Pendent stems thick set with reddish leaves, 5 cm. long. Wild.

352567. BULBOPHYLLUM sp.

845. No locality data available. Dwarf plant. Wild.

352568. BULBOPHYLLUM sp.

846. No locality data available. Dwarf plant. Wild.

352569. CALANTHE ENGLERIANA Kraensl. Orchidaceae.

134. Hills above Patep 2 Village. Terrestrial, to 1.2 m. Leaves oblong, 0.9 m. by 13 cm. prominently parallel veined. Flowers many in dense terminal spike, creamy white 5 cm. diameter; pedicel white, 6 cm. Wild.

352570. COELOGYNE FRAGRANS Schlechter Orchidaceae.

853. Rouna Falls. Wild.

352571 and 352572. COELOGYNE PUSTULOSA Ridl. Orchidaceae.

352571. 136. Hills above Patep 2 Village. Terrestrial on rocks. Leaves to 0.9 m. Spike with new growth, to 30 cm.; flowers many, creamy green, lip marked maroon. Wild.

352572. 766. Itikinuma Hill near Sirunumu Village, Ogotama. Epiphytic. Pseudobulbs to 15 cm. with 2 terminal leaves, to 76 cm. Wild.

352573. COELOGNE VEITCHII Rolfe. Orchidaceae.

161. Patep 2 Village. Epiphytic orchids to 0.6 m. Pseudobulbs to 7.6 cm. Flowers cream, dark lip. Wild.

352574. DENDROBIUM BRACTEATUM LaLlave & Lex. Orchidaceae.

859. Itikinumu Hill, near Sirunumu Village, Ogotama. Pseudobulbs to 15 cm. Flowers rose colored. Wild.

352575 and 352576. DENDROBIUM FLAMMULA Schlechter Orchidaceae.

352575. 848. Mt. Wilhelm. Dwarf, forming dense mats on tree branches. Flowers orange. Wild.

352576. 856. No locality data available. Wild.

352577. DENDROBIUM LONGICAULE Schlechter Orchidaceae.

867. Itikinumu Hill, near Sirunumu Village, Ogotama. Epiphytic. Wild.

352578. DENDROBIUM MACROPHYLLUM A. Rich. Orchidaceae.

190. Patep #2 Village. Epiphytic. Wild.

352579. DENDROBIUM NEO-GUINEENSE A. D. Hawkes & A. H. Heller Orchidaceae.

418. Hillside below Oregenang Village. Elevation 1,219 m. Pseudobulb spindle shaped, 25 cm. long, topped with two sessile oblong leaves 18 cm. by 10 cm. Inflorescence terminal, several greenish flowers 6 cm. across, purple spotted. Wild.

352580. DENDROBIUM PHLOX Schlechter Orchidaceae.

715. Tambul, just off Mt. Hagen–Wabag Road. Epiphytic orchid. Stems pendent 0.61 m. Leaves distichous 9 cm. by 1 cm. Flowers borne on short laterals, each about 3 cm. long; tube orange, expanded portion yellow. Wild.

352581. DENDROBIUM SOPHRONITES Schlechter Orchidaceae.

847. No locality data available. Dwarf. Flowers 3 cm. diameter, orange or red. Wild.

352582. DENDROBIUM SPECTABILE Miq. Orchidaceae.

191. Patep 2 Village. Epiphytic orchid. Wild.

352557 to 352627—Continued

352583. DENDROBIUM UNCINATUM Schlechter Orchidaceae.

857. Mt. Wilhelm. Wild.

352584. DENDROBIUM sp. Orchidaceae.

194. Patep 2 Village. Epiphytic in second growth scrub. Wild. (Locally considered to be *D. elliptiformum*).

352585. DENDROBIUM sp.

399. Kevananga Ridge opposite Oregenang Village. Elevation 1,219 m. Epiphytic orchids. Canes to 0.6 m., thick set with lanceolate leaves to 6 cm. long; sheathing petioles purple. Flowers tubular to 5 cm. long, dark rose. Wild.

352586. DENDROBIUM sp.

475. Division of Botany, Botanic Garden, Lae. Epiphytic orchid to 1.5 m. Terminal and subterminal inflorescences to 0.6 m. Flowers, narrow segmented, twisted; mushroom pink. Cultivated.

352587. DENDROBIUM sp.

477. Division of Botany, Botanic Garden, Lae. Epiphytic cane type to 0.9 m. Flowers in spike 30 cm. long; petals erect, twisted, tangerine, lip pale lavender. Called "Tangerine Orchid" locally. Cultivated.

352588. DENDROBIUM sp.

772. Department of Forests, Brown River. Epiphytic orchid. Pseudobulbs stout to 30 cm. long. Not in flower. Wild.

352589. DENDROBIUM sp.

844. No locality data available. Wild.

352590. DENDROBIUM sp.

852. No locality data available. Erect, stout pseudobulbs. Wild.

352591. DENDROBIUM sp.

858. Botanic Garden, Department of Forests, Lae. Pseudobulbs thickened at base becoming elongated to 1 m. above. Flowers white ephemeral. Commonly called "Pigeon Orchid". Cultivated.

352592. DENDROBIUM sp.

868. No locality data available. Wild.

352593. DIANELLA sp. Liliaceae.

851. No locality data available. Long slender leaves. Wild.

352594. DIPLOCAULOBIUM sp. Orchidaceae.

863. Itikinumu Hill, near Sirunumu Village, Ogotama. Wild.

352595. EPHEMERANTHA sp. Orchidaceae.

765. Itiknuma Hill, near Sirunumu Village, Ogotama. Epiphytic orchid to 0.6 m. Identified locally as *E. scala*. Wild.

352596. ERIA sp. Orchidaceae.

861. Itikinumu Hill, near Sirunumu Village, Ogotama. Dwarf epiphyte. Pseudobulbs fleshy to 15 cm. long. Wild.

352597. GASTRODIA sp. Orchidaceae.

164. Patep 2 Village. Terrestrial. Leaf hastate to cordate, acute; vein and lower surface marked with purple. Wild.

352598. GOODYERA sp. Orchidaceae. **Jewell orchid.**

165. Patep 2 Village. Terrestrial. Stem rooting in mulch, reddish. Leaf 7.6 cm. long, olive green above with silvery midrib, undersurface more or less reddish. Wild.

352557 to 352627—Continued

352599. GOODYERA sp.

672. Korn Farm Nursery, Department of Forests, Mt. Hagen. Terrestrial herb to 0.6 m.; plant said to be useful for indoor foliage plant. Wild.

352600. GRAMMATOPHYLLUM PAPUANUM J. J. Smith Orchidaceae.

159. Patep 2 Village. Forms large clumps of leafy pseudobulbs to 3.7 m. long. Flower spike to 3.7 m., many flowered. Wild.

352601. HOYA sp. Asclepiadaceae.

843. No locality data available. Herbaceous creeper growing with P.I. 352623, an undetermined orchid. Wild.

352602. IPOMOEA sp. Convolvulaceae.

303. Kainantu-Lae Road. Herbaceous vine. Digitate leaves. Purple flowers. (Locally called *I. carisa.*) Wild.

352603. MYRMECODIA sp. Rubiaceae.

725. Kindeng Forest Nursery. Epiphytic, usually hanging inverted from tree branches. Pineapplelike plant, body spiny, containing ant burrows; tuft of leaves at apex. Wild.

352604. OBERONIA sp. Orchidaceae.

865. Itikinumu Hill, near Sirunumu Village, Ogotama. Long slender pseudobulb, above swollen base. Wild.

352605. PHREATIA sp. Orchidaceae.

196. Patep 2 Village. Epiphytic orchid to 18 cm. tall. Pseudobulb covered with distichous clasping leaves. Wild.

352606. PHREATIA sp.

198. Patep 2 Village. Dwarf orchid to 5 cm. tall. Wild.

352607. PHREATIA sp.

201. Patep 2 Village. Terrestrial in mulch, 25 cm. tall. Flower lily-of-the-valley like. Wild.

352608. PHREATIA sp.

864. Itikinumu Hill, near Sirunumu Village, Ogotama. Dwarf. Wild.

352609. PLATYCERIUM sp. Polypodiaceae.

111. Bulolo. Epiphytic on shade trees. (Identified locally as *P. wilhelmina-regina.*) Wild.

352610. PLATYCLINIS LONGIFOLIA Hemsl. Orchidaceae.

854. No locality data available. Wild.

352611. ROBIQUETIA sp. Orchidaceae.

860. Itikinumu Hill, near Sirunumu Village, Ogotama. Monopodial, resembling *Aeride* sp. Wild.

352612. SACCOLABIUM sp. Orchidaceae.

756. Forestry Department, Brown River. Epiphytic plant. Strap leaves 15 cm. long by 4 cm. wide; no flowers. Wild.

352613. SELAGNELLA sp. Selaginellaceae.

775. Rouna Falls, about 40 km. from Port Moresby on Sogeri Road. Grows on rockfaces in Rouna Gorge. Dwarf, much branched. Wild.

352614. SPATHOGLOTTIS PLICATA Griff. Orchidaceae.

494. Collected 34 km. from Lae in Bulolo Road. Terrestrial herb with white or purplish flowers at terminus of stout scape from corm. Wild.

352557 to 352627—Continued

352615. TECTARIA sp. Dennstaedtiaceae.

141. Patep 2 Village. Epiphytic "bird's nest" fern. Fronds dimorphic, 1.2 m. long, deeply lobed. Wild.

352616. TECTARIA sp.

779. Rouna Falls, about 40 km. from Port Moresby on Sogeri Road. Small plants of a climbing fern with dimorphic fronds. Wild.

352617. Undetermined. Dennstaedtiaceae. Fern.

178. Patep 2 Village. Wild.

352618. Undetermined.

189. Patep 2 Village. Fronds entire, long spatulate, woolly on both surfaces. Wild.

352619. Undetermined.

346. Ridge above Oregenang Village. Elevation 1,640 m. Terrestrial fern to 0.9 m.; fronds bipinnate. Wild.

352620. Undetermined.

388. Kevananga Ridge paralleling Oregenang Ridge. Elevation 1,219 m. Terrestrial fern with simple pinnate leathery dark green fronds to 36 cm. Wild.

352621. Undetermined. Zingiberaceae.

431. Experiment Station, Department of Agriculture, Stock and Fisheries, Bubia (near Lae). Originally from Markham Valley. Herbaceous perennial to 1.5 m. Leaves anise scented. Inflorescence on short stem from young rhizome, flowers red. Cultivated.

352622. Undetermined. Polypodiaceae. Fern.

761. Itikinumu Hill, near Sirunumu Village, Ogotama. Epiphytic climbing fern. Wild.

352623. Undetermined. Orchidaceae.

842. No locality data available. Stems and leaf sheaths flattened; leaves distichous. Wild.

352624. Undetermined. Orchidaceae.

849. Mt. Wilhelm. Wild.

352625. Undetermined. Polypodiaceae.

850. No locality data available. Soft velvety entire fronds. Wild.

352626. Undetermined. Orchidaceae.

855. Near Rouna Falls. Extreme dwarf, creeping plant. Wild.

352627. Undetermined. Orchidaceae.

862. Itikinumu Hill, near Sirunumu Village, Ogotama. Wild.

352628. XANTHOSOMA VIOLACEUM Schott. Araceae. **Yautia.**

From Brazil. Rhizomes presented by B. V. Skvortzov, Institute of Botany, Sao Paulo. Received July 30, 1970.

352629 to 352631.

From France. Scions consigned to D. E. Kester, Department of Pomology, University of California, Davis, California. Received August 16, 1966.

352629. PRUNUS AMYGDALUS Batsch Rosaceae. **Almond.**

'R–61'.

352629 to 352631—Continued

352630 and 352631. PRUNUS AMYGDALUS Batsch Rosaceae. **Almond.**

352630. 'Cristomorto'.

352631. 'Al'.

352632. PYRUS COMMUNIS L. Rosaceae.

From Netherlands. Scions collected by P. B. Lombard, Southern Oregon Experiment Station, Medford, Oregon. Received May 1, 1970.

'Comice'. Spur type.

352633 to 352637. PYRUS PYRIFOLIA (Burm.f.) Nakai

From Japan. Scions presented by Horticultural Research Station, Kiratsuka, Kenagawa. Received July 30, 1969.

352633. 'Kimizukawase'.

352634. 'Kosui'.

352635. 'Shinko'.

352636. 'Shinsui'.

352637. 'Suisei'.

352638 to 352646.

From Japan. Scions presented by Takaichi Furuhashi, Yamanoua-Cho, Mino-Kama City, Gifu-Ken. Received April 7, 1970.

352638. PYRUS (hybrid) Rosaceae. 'Shinseiho'. Green type. From the Furuhashi's farm.

352639 to 352646. PYRUS PYRIFOLIA (Burm.f.) Nakai Rosaceae.

352639. 'Ban San Kichi'. Russet brown type. From the Furuhashi's farm.

352640. 'Kosui'. Russet brown type. From the Furuhashi's farm.

352641. 'Imamura Aki'. Russet brown type. From Yamanous-cho.

352642. 'Niitaka'. Russet brown type. From the Furuhashi's farm.

352643. 'Shinko'. Russet brown type. From the Furuhashi's farm.

352644. 'Suisei'. Green type. From the Furuhashi's farm.

352645. 'Suishu'. Green type. From the Furuhashi's farm.

352646. 'Waseaki'. Russet brown type. From Yamanous-cho.

352647. PRUNUS DOMESTICA L. Rosaceae. **Domestic plum.**

From Union of Soviet Socialist Republics. Scions presented by Institute of Plant Industry, Leningrad. Received September 27, 1967.

'Zoja'.

352648 to 352651. PRUNUS PERSICA (L.) Batsch Rosaceae. **Peach.**

From Canada. Trees presented by Horticultural Research Institute, Vineland Station, Ontario. Received May 2, 1969.

352648. 'V 60031'.

352649. 'V 55115'.

352650. 'V 55111'.

352651. Vanity'.

352652 and 352653. MALUS SYLVESTRIS Mill. Rosaceae. **Apple.**

From Poland. Scions presented by Research Institute of Pomology, Skierniewice. Received March 28, 1969.

352652. PI MIV X 'Antonovka'.

352653. PII MIX X 'Antonovka'.

352654 to 352666.

From Rumania. Scions collected by L. F. Hough, Department of Horticulture, Rutgers University, New Brunswick, New Jersey. Received March 26, 1970.

352654 to 352666—Continued

352654 to 352657. MALUS SYLVESTRIS Mill. Rosaceae. **Apple.**

352654. 'Elita 20 Marculesti'.

352655. 'Frumos 1 Voinesti'.

352656. 'Rogu de Cluj'.

352657. 'Verjisone' X 'Jonathon 55–109–149'.

352658 to 352661. PYRUS COMMUNIS L. Rosaceae.

352658. 'Rosu Tamiios de Bristrita'.

352659. 'Tamiioasa Robert'.

352660. 'Timpurii de Voinsati'.

352661. 'Zaharoasa de Vara'.

352662 to 352666. PRUNUS ARMENIACA L. Roaceae. **Apricot.**

352662. 'Ahrori'.

352663. 'Mari de Cenad'.

352664. 'Re Umberto'.

352665. 'Timpurii de Chisinau'.

352666. 'Zaharata de Holup'.

352667 and 352668.

From Brazil. Seed presented by B. V. Skvortzov, Instituto de Botanica, Caixa Postal 4005, Sao Paulo. Received July 22, 1970.

352667. AGERATUM sp. Compositae.

Flowers rose and blush.

352668. Undetermined. Melastomaceae.

Tree with red flowers.

352669. CAMELLIA JAPONICA L. Theaceae. **Camellia.**

From United States. Plant selected by W. L. Ackerman, United States Plant Introduction Station, Glenn Dale, Maryland. Received July 29, 1970.

'Iceberg'. Seedling selection from P.I. 230278. Plant upright, vigorous, high light tolerance. Cold hardy, very little injury to —22°C., survival to —32°C. Leaves dark glossy green, 8–10 cm. long by 3.8–5.7 cm. wide. Flower 10–13 cm. across, 14 petals, semidouble, white, stamens pale cream, anthers yellow; early to late April. Propagates easily from cuttings.

352670. MUCUNA UREN S (L.) Fawc. & Rendle Leguminosae.

From United States. Seed presented by Delray Beach Nursery, Delray, Fla. Received September 8, 1966.

NU 47416.

352671 and 352672.

From Japan. Seed presented by Botanical Gardens, Faculty of Science, University of Tokyo, Tokyo. Received July 13, 1970.

352671. CELTIS SINENSIS var. JAPONICA (Planch.) Nakai Ulmaceae.

352672. EUONYMUS ALATUS (Thunb.) Sieb. Celastraceae.

352673 and 352674.

From Australia. Seed presented by Commonwealth Scientific and Industrial Research Organization, Division of Plant Industry, Canberra. Received July 20, 1970.

352673. ATRIPLEX HASTATA L. Chenopodiaceae.

352674. ATRIPLEX SPONGIOSA F. Muell. Chenopodiaceae.

352675 and 352676. NICOTIANA TABACUM L. Solanaceae. **Tobacco.**

From Australia. Seed presented by Commonwealth Scientific and Industrial Research Organization, Division of Plant Industry, Canberra. Received July 6, 1970.

352675. 'Sirone'.

352676. 'Sirogo'.

352677 to 352679. SOLANUM MELONGENA L. Solanaceae. **Eggplant.**

From Philippines. Seed presented by R. L. Villareal, Department of Agronomy, University of Philippines, College, Laguna. Received July 2, 1970.

352677. 'Dingras 1'. Resistant to spider mites.

352678. 'Dingras 3'. Resistant to spider mites.

352679. 'Sinampiro'. Resistant to spider mites.

352680 to 352684.

From Australia. Seed presented by Commonwealth Scientific and Industrial Research Organization, Division of Plant Industry, Canberra. Received July 9, 1970.

352680. STYLOSANTHES SCABRA Vog. Leguminosae.

C.P.I. 40291.

352681 and 352682. STYLOSANTHES SUBSERICEA Blake Leguminosae.

352681. C.P.I. 33943.

352682. C.P.I. 38604.

352683 and 352684. STYLOSANTHES VISCOSA Sw. Leguminosae.

352683. C.P.I. 34904.

352684. C.P.I. 41212.

352685. MEDICAGO SATIVA L. Leguminosae. **Alfalfa.**

From Brazil. Seeds presented by Dwayne Rodweder, University of Wisconsin Contract Team, Agency for International Development, Rio Grande do Sul. Received June 16, 1967.

'Crioula'.

352686 and 352687. ORYZA SATIVA L. Gramineae. **Rice.**

From Philippines. Seed presented by T. T. Chang, The International Research Institute, Los Banos, Laguna. Received July 29, 1970.

352686. C.B. II. India.

352687. C.B. II. Japan.

352688. AVENA SATIVA L. Gramineae. **Common oat.**

From Germany. Seed presented by Gebruder Dippe Saatzucht GmbH, Herford. Received July 14, 1970.

'Dippes Early White'.

352689 to 352702. GOSSYPIUM HIRSUTUM L. Malvaceae. **Upland cotton.**

From Czechoslovakia. Seed presented by The Institute of Tropical and Subtropical Agriculture, Prague. Received August 5, 1970.

352689. 'Malkov'.

352690. 'Sadovo 66'.

352691. 'Sadovo 75'.

352692. 38.

352693. 73.

352694. 1008.

352689 to 352702—Continued

352695. 1017.
352696. 1278.
352697. 1358.
352698. 2362.
352699. 2367–M.
352700. 3279–A.
352701. 3510–A.
352702. 3996–B.

352703. MISCANTHIDIUM sp. Gramineae.

From Zambia. Seed presented by W. L. Astle, Department of Games and Fisheries, Box 37, Chipata. Received July 31, 1970.

Collections from Lake Chila and Lukulu River, mixed.

352704. ANTHURIUM SUBSIGNATUM Schott. Araceae.

From Costa Rica. Plant presented by R. J. Seibert, Longwood Gardens, Kennett Square, Pennsylvania. Received February 10, 1969.

352705 to 352711.

From Turkey. Seed collected by Osman Tosun, Faculty of Agriculture, University of Ankara, Ankara under Public Law 480 Project A22–CR–1. Received July 22, 1970.

352705 and 352706. TRIGONELLA BRACHYCARPA (Fisch.) Moris Leguminosae.

352705. Col. 1111. Between Hafih and Zaid, elevation 1,300 m., annual 50–100 cm., erect or diffuse; around the wheatfields.

352706. Col. 1238. Ankara, Hasanagtan, elevation 900 m., annual, stems erect or diffuse; along roadsides.

352707. TRIGONELLA FISCHERIANA Ser. Leguminosae.

Col. 1103. Between Ahdagmadeni and Yelderdi, elevation 1,300 m., annual; around the wheatfields.

352708. TRIGONELLA ORTHOCERAS Kar & Kir. Leguminosae.

Col. 1831. Between Kaiahuit and Haiasen, elevation 1.600 m., stem decumbent, branched from the bottom, annual 10–30 cm.; in the valley.

352709. MEDICAGO RADIATA (L.) Boiss. Leguminosae.

Col. 1102. Between Garziantep and Maras, elevation 840 m., annual 10–25 cm., prostate or ascending; around the forest.

352710. TRIGONELLA SIBTHORPII Boiss. Leguminosae.

Col. 1435. Ankara, Elmadag, elevation 930 m., annual 20–40 cm., stem decumbent; on the roadsides.

352711. TRIGONELLA SPICATA Sibth. & Sm. Leguminosae.

Col. 1390. Between Elmadag and Irmak, elevation 900 m., stem decumbent, branched; on the roadsides.

352712. TRIGONELLA EMODI Benth. Leguminosae.

From Pakistan. Seed collected by E. Nasir, Gordon College, Rawalpindi, under Public Law 480 Project A17–CR–5. Received July 22, 1970.

Col. 3547. Annual herbaceous. Weed in cultivated fields from plains to 1,520 m.

352713 and 352714.

From Kenya. Seed presented by E. Mwakha, National Agricultural Research Station, Kitale. Received August 4, 1970.

352713. ENTOLASIA IMBRICATA Stapf Gramineae.

K6819. River Nzoia, western Kenya.

352714. SETARIA SPHACELATA (Schum.) Stapf & Hubb. ex. M. B. Moss Gramineae.

K68139. Aberdare Mountain, central Kenya.

352715. Dovyalis (hybrid) Flacourtiaceae.

From United States. Plant bred at United States Plant Introduction Station, Miami, Florida. Received August 19, 1970.

M 20514. *Dovyalis abyssinica* × *D. hebecarpa*, F_2 selection, female. Low evergreen shrub, thorny. Fruit, dark plum color, tart turning sweet when fully ripe. Used for jams and meat sauce.

352716. Sansevieria (hybrid) Liliaceae.

From United States. Plant received in 1965 from Cotton and Cordage Fibers Research Branch, Plant Science Research Division, Belle Glade, Fla. Received August 19, 1970.

M 19527. *Sansevieria trifasciata* × *S. deserti.* Plant to 1.5 m. tall, leaves ascending, semicylindrical, medium green.

352717. Hylocereus undatus (Haws.) Britt. & Rose Cactaceae. **Nightblooming cereus.**

From Colombia. Plant collected 1969 by R. J. Knight, United States Plant Introduction Station, Miami, Florida. Received August 19, 1970.

M 20973. Nightblooming tropical cactus, vining habitat. Flowers large, white. Fruit edible, yellow orange, cross pollinated. Staple market item in Colombia.

352718. Eulophia guineensis Lindl. Orchidaceae.

From Nigeria. Plant collected 1962 by W. E. Manis, United States Plant Introduction Station, Miami, Florida. Received August 19, 1970.

M 19352. Leaves 10 to 13 cm. wide by 12–16 cm. long; arise from green scaly, pseudo bulbs. Flower 4 to 5 cm. across, pink lip to 3 cm. long, petals and sepals green tinged with brown, spur long, thin, nearly straight, greenish; borne in spikes, 60 to 90 cm. tall. Bloom April and May, lasting 1 to 2 months.

352719. Calathea loeseneri Macb. Marantaceae.

From Peru. Rhizomes collected 1965 by R. J. Seibert, Longwood Gardens, Kennett Square, Pennsylvania. Received August 19, 1970.

M 19268. Ushpa Cocha southwest of Iguitas. Plant to 30 cm. tall, tuberous rooted; leaves arise from central crown. Inflorescence solitary above foliage; flowers small, bracts large, showy, white with pink edge.

352720. Vernonia kotschyana Sch. Bip. ex Walp. Compositae.

From Senegal. Seed collected at Sindia in 1968 and presented to the United States Plant Introduction Station, Miami, Florida. Received August 19, 1970.

M 20552. Shrub 0.6 m. tall, stems erect, pithy, striate. Flowers lavender, in heads 2.5 cm. to 4 cm. across.

352721. Psidium guajava L. Myrtaceae. **Guava.**

From South Africa. Scions presented by Citrus and Subtropical Fruit Research Institute, Nelspruit. Received November 7, 1963.

'Malherbe'. South Africa. Tree, typical guava. Fruit medium size, pear shape, thick walls. Used as preserved guava sheels. Adaptable to southeastern Florida.

352722 to 352774.

From Brazil. Seed collected by M. J. Silbernagel, Crops Research Division, Prosser, Washington. Received July 27, 1970.

352722. Mimosa sp. Leguminosae.

32. Crateus, Ceara. Small, wild, sensitive; appears annual.

352723. Phaseolus aureus Roxb. Leguminosae. **Mung bean.**

20. 'Mungu verde'. Petrolandia, Pernambuco.

352724. Phaseolus calcaratus Roxb. Leguminosae. **Rice bean.**

21. 'Arroz'. Petrolandia, Pernambuco.

352722 to 352774—Continued

352725 to 352728. PHASEOLUS LUNATUS L. Leguminosae. **Lima bean.**

352725. 6. 'Faveta'. Campina Grande market, Paraiba.

352726. 7. 'Coquinho'. Campina Grande market, Paraiba.

352727. 16. Texeira, Paraiba. Vine.

352728. 36. 'Alagoano'. Nova Cruz, Rio Grande do Norte. Vine.

352729 to 352759. PHASEOLUS VULGARIS L. Leguminosae. **Common bean.**

352729. 1. 'Rim de Porco'. Bom Conselho, Pernambuco. Popular local variety.

352730. 2. 'Costa Rica'. Bom Conselho, Pernambuco. Tolerant to most local diseases, high yielding.

352731. 3. 'Costa Rica'. Petrolandia, Pernambuco. Black.

352732. 10. 'Chumbinho'. Campina Grande market, Paraiba. Shiny seed.

352733. 11. 'Chumbinho'. Campina Grande market, Paraiba. Dull seed.

352734. 12. 'Chumbinho'. Campina Grande market, Paraiba.

352735. 13. 'Mulatinho'. Harvested by pulling whole plant.

352736. 14. 'Mulatinho'. Campina Grande market, Paraiba. Black.

352737. 15. 'Mulatinho'. Campina Grande market, Paraiba. Black.

352738. 20A. Petrolandia, Pernambuco. Red bean.

352739. 22. 'Rico-23'. Petrolandia, Pernambuco. Black bean developed by Clibas Vieira, Vicosa, Matto Grosso.

352740. 23. 'Rosinha 726'. Petrolandia, Pernambuco.

352741. 24. 'L–3–0–50'. Petrolandia, Pernambuco. A 'Costa Rica' × mulatinho hybrid developed by Paulo Miranda, Instituto de Pesquisas Agronomicas.

352742. 25. Ubajara, Ceara. Local strain of mulatinho.

352743. 26. 'Vagem Roxa'. Ubajara Ceara. Local strain with purple pods.

352744. 27. 'Gurgutuba'. Ubajara, Ceara. One of highest yielding, local varieties.

352745. 28. Ubajara, Ceara. Local, small-seeded mulatinho type.

352746. 37. 'Cavalo Claro'. Natal, Rio Grande do Norte.

352747. 38. 'Enxofre'. Natal, Rio Grande do Norte.

352748. 39. 'Gordo'. Natal, Rio Grande do Norte.

352749. 40. Local version of mulatinho. Natal, Rio Grande do Norte.

352750. 43. 'Favinha'. Tucano, Bahia. One of better yielding local varieties.

352751. 44. 'Costa Rica'. Recife, Pernambuco. Imported variety, favorite in southern Brazil. High yielding, disease tolerant.

352752. 45. L–3–0–50. F_3 generation hybrid between 'Costa Rica' (black seed) and 'Mulatinho' (brown seed). Brown seeded segregant recovered and backcrossed to 'Costa Rica' for greater resistance to rust and viruses. Developed by Paulo Miranda, Instituto de Pesquisas Agronomicas.

352753. 46. 'Costa Rica'. Natal, Rio Grande do Norte.

352754. 47. 'Vagem Roxa'. Developed by Sarah Krutman, Northeast Agricultural Institute, Recife, Pernambuco.

352755. 48. 'Gordo'. Developed by Sarah Krutman, Northeast Agricultural Institute, Recife, Pernambuco.

352722 to 352774—Continued

352729 to 352759—Continued

352756. 49. 'Pintado'. Developed by Sarah Krutman, Northeast Agricultural Institute, Recife, Pernambuco.

352757. 50. 'Mulungu'. Developed by Sarah Krutman, Northeast Agricultural Institute, Recife, Pernambuco.

352758. 51. 'Mulatao'. Developed by Sarah Krutman, Northeast Agricultural Institute, Recife, Pernambuco.

352759. 52. 'Flor Roxa de Chacho'. Developed by Sarah Krutman, Northeast Agricultural Institute, Recife, Pernambuco.

352760 and 352761. RICINUS COMMUNIS L. Euphorbiaceae. **Castorbean.**

352760. 4. Petrolandia, Pernambuco. Brown seed.

352761. 5. Petrolandia, Pernambuco. Black-gray mottled seed.

352762 to 352774. VIGNA UNGUICULATA (L.) Walp. Leguminosae. **Cowpea.**

352762. 8. 'Curuginha'. Campina Grande market, Paraiba.

352763. 9. 'Tipomoita'. Campina Grande market, Paraiba.

352764. 17. Triunfo, Pernambuco.

352765. 19. Teixeira, Paraiba. Mixed types; virus susceptible.

352766. 29. Ipueiras, Ceara.

352767. 30. Ipueiras, Ceara.

352768. 31. Nova Russas, Ceara.

352769. 33. '58–165'. Crateus, Ceara.

352770. 34. 'Carrapicho'. Crateus, Ceara.

352771. 35. 'Bengala'. Crateus, Ceara.

352772. 41. 'Canide'. Nova Cruz, Rio Grande do Norte. Drought tolerant, high yielding.

352773. 42. 'Dorminhoco'. Nova Cruz, Rio Grande do Norte. Drought tolerant, high yielding.

352774. 53. 'Serido'. Ubajara, Ceara. High yielding under drought conditions; susceptible to mosaic.

352775 to 352781. ZEA MAYS L. Gramineae. Corn.

From India. Seed presented by the Indian Agricultural Research Institute, New Delhi. Received July 27, 1970.

352775. Kurlon (Red) A22.

352776. Kurlon (White) A22.

352777. White Bara ke loke A21.

352778. A 21(a).

352779. NEFA (B1) $\frac{\text{NA4.}}{70}$

352780. Naga B2–N2.

352781. N.P. 60–2431–SP1(2).

352782 to 352784.

From Australia. Seed presented by the Plant Introduction Section, Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 27, 1970.

352782. STYLOSANTHES sp. Leguminosae.

'Gordon'.

352782 to 352784—Continued

352783. STYLOSANTHES sp.

'Lawson'.

352784. STYLOSANTHES sp.

'Paterson'.

352785 and 352786. FRAGARIA × ANANASSA Duch. Rosaceae.

From Scotland. Plants presented by the Scottish Horticultural Research Institute, Auchincruive, Near Ayr. Received August 18, 1970.

352785. 'Marion'.

352786. 'Montrose'.

352787 and 352788. SACCHARUM (hybrid) Gramineae.

Sugarcane.

From Malaysia. Cuttings presented by the Faculty of Agriculture, University of Malaya, Kuala Lumpur. Received August 18, 1970.

352787. 70/019/SR.

352788. 70/020/SR.

352789 to 352825. BRASSICA CAMPESTRIS var. SARSON Prain Cruciferae.

From India. Seed presented by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi under Public Law 480 Project A7–CR–148. Received August 13, 1970.

352789. I.B. 95.
352790. I.B. 137.
352791. I.B. 507.
352792. I.B. 550.
352793. I.B. 556.
352794. I.B. 772.
352795. I.B. 821.
352796. I.B. 839.
352797. I.B. 846.
352798. I.B. 858.
352799. I.B. 866.
352800. I.B. 884.
352801. I.B. 887.
352802. I.B. 888.
352803. I.B. 895.
352804. I.B. 898.
352805. I.B. 902.
352806. I.B. 903.
352807. I.B. 924.
352808. I.B. 928.
352809. I.B. 936.
352810. I.B. 967.
352811. I.B. 975.
352812. I.B. 1027.
352813. I.B. 1053.
352814. I.B. 1054.
352815. I.B. 1062.
352816. I.B. 1063.
352817. I.B. 1076.
352818. I.B. 1077.
352819. I.B. 1078.
352820. I.B. 1085.
352821. I.B. 1089.
352822. I.B. 1104.
352823. I.B. 1108.
352824. I.B. 1112.
352825. I.B. 1115.

352826 to 353383. VIGNA UNGUICULATA (L.) Walp. Leguminosae.

Cowpea.

From India. Seed presented by the Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi under Public Law 480 Project A7–CR–126. Received August 15, 1970.

352826. I.C. C 419. Madras.

352826 to 353383—Continued

352827. I.C. 6B. Madras.
352828. I.C. 8. C 521. Madras.
352829. I.C. 9. Madras
352839. I.C. 9. Madras.
352830. I.C. 180. Source unknown.
352831. I.C. 290. Source unknown.
352832. I.C. 323. K 397. Karnal, Haryana.
352833. I.C. 324. K 598. Karnal, Haryana.
352834. I.C. 389. C 419. Coimbatore, Madras.
352835. I.C. 394. 'New Era'. Madras.
352836. I.C. 409. 'New Era'. Adutarai, Madras.
352837. I.C. 434. 'Fos 1'. Sirsa, Haryana.
352838. I.C. 435. 'Fos 6'. Sirsa, Haryana.
352839. I.C. 436. 'Fos 36'. Sirsa, Haryana.
352840. I.C. 437. 'Fos 40'. Sirsa, Haryana.
352841. I.C. 437A. Sirsa, Haryana.
352842. I.C. 438. T 7. Sirsa, Haryana.
352843. I.C. 464. 'Jhansistrain'. Kanpur, Uttar Pradesh.
352844. I.C. 464A. Kanpur, Uttar Pradesh.
352845. I.C. 611. Source unknown.
352846. I.C. 670. Delhi, Sabzimandi.
352847. I.C. 672. Source unknown.
352848. I.C. 693. Source unknown.
352849. I.C. 895. Delhi.
352850. I.C. 903. Hyderpur, Delhi.
352851. I.C. 1459. Delhi.
352852. I.C. 1619. Source unknown.
352853. I.C. 1927. Mercara market.
352854. I.C. 2044. 'Lobia 13'. Kanpur, Uttar Pradesh.
352855. I.C. 2045. 'Lobia 27'. Kanpur, Uttar Pradesh.
352856. I.C. 2047A. 'Lobia 33'. Kanpur, Uttar Pradesh.
352857. I.C. 2047B. Kanpur, Uttar Pradesh.
352858. I.C. 2084–I. Source unknown.
352859. I.C. 2095. Source unknown.
352860. I.C. 2146. Type 62/49. Sirsa. Haryana.
352861. I.C. 2147. Type 84/49. Sirsa. Haryana.
352862. I.C. 2149. Type 101/49. Sirsa, Haryana.
352863. I.C. 2150. 'Fos 1'. Sirsa, Haryana.
352864. I.C. 2151. 'Fos 36'. Sirsa, Haryana.
352865. I.C. 2152. 'Fos 40'. Sirsa, Haryana.
352866. I.C. 2218. Azadpur, Delhi.
352867. I.C. 2237. Solan, Himachel Pradesh. Elevation 2,000 to 2,300 m.

352826 to 353383—Continued

352868. I.C. 2238. Solan, Himachel Pradesh. Elevation 2,000 to 2,300 m.
352869. I.C. 2441. Barpalli, Orissa.
352870. I.C. 2443. Sambalpur, Orissa.
352871. I.C. 2469. No. 1. Uttar Pradesh.
352872. I.C. 2476. Hissar market, Haryana.
352873. I.C. 2795. Poona, Maharashtra.
352874. I.C. 2795A. Poona, Maharashtra.
352875. I.C. 2798. Midnapore, West Bengal.
352876. I.C. 2799. Midnapore. West Bengal.
352877. I.C. 2804. 'Lobia 10'. Kanpur, Uttar Pradesh.
352878. I.C. 2804–1. Kanpur, Uttar Pradesh.
352879. I.C. 2805. Kanpur, Uttar Pradesh.
352880. I.C. 2806. T 2. Kanpur, Uttar Pradesh.
352881. I.C. 2809. Calcutta, Bengal.
352882. I.C. 2813. 823/A. Srinagar, Jammu-Kashmir.
352883. I.C. 2815. 890/A. Srinagar, Jammu-Kashmir.
352884. I.C. 2816. 894/A. Srinagar, Jammu-Kashmir.
352885. I.C. 2821. 954/A. Srinagar, Jammu-Kashmir.
352886. I.C. 2847. Rajkot, Gujarat.
352887. I.C. 2847A. Source unknown.
352888. I.C. 2856. Sample No. 1. Bijapur, Rajasthan.
352889. I.C. 2859A. Bijapur, Rajasthan.
353890. I.C. 2859B. Bijapur, Rajasthan.
352891. I.C. 2861. Bangalore, Mysore.
352892. I.C. 2865. 'New Era'. Poona, Maharashtra.
352893. I.C. 2867. 'Early Red'. Poona, Maharashtra.
352894. I.C. 2873A. Durgapura, Rajasthan.
352895. I.C. 2876. Local. Durgapura, Rajasthan.
352896. I.C. 2881A. Rajkot, Gujarat.
352897. I.C. 2881B. Local type D–1. Rajkot, Gujarat.
352898. I.C. 2883. Type C. Rajkot, Gujarat.
352899. I.C. 2884. Type B. Rajkot, Gujarat.
352900. I.C. 2885A. Local type D–2. Rajkot, Gujarat.
Sirsa, Haryana.
352901. I.C. 2892. No. 1.
352902. I.C. 2893. No. 2.
352903. I.C. 2894. No. 3.
352904. I.C. 2897. No. 6.
352905. I.C. 2899. No. 8.
352906. I.C. 2900. No. 9.
352907. I.C. 2901. No. 10.
352908. I.C. 2902. No. 11.

352826 to 353383—Continued

352909. I.C. 2904. No. 13.
352910. I.C. 2905. No. 14.
352911. I.C. 2906. No. 15.
352912. I.C. 2907. No. 16.
352913. I.C. 2908. No. 17.
352914. I.C. 2911. No. 20.
352915. I.C. 2912. No. 21.
352916. I.C. 2913. No. 22.
352917. I.C. 2914. No. 23.
352918. I.C. 2915. No. 25.
352919. I.C. 2916. No. 26.
352920. I.C. 2917A.
352921. I.C. 2917B.
352922. I.C. 2918A.
352923. I.C. 2918B.
352924. I.C. 2920. No. 30.
352925. I.C. 2923. No. 33.
352926. I.C. 2925. No. 35.
352927. I.C. 2926. No. 36.
352928. I.C. 2927. No. 37.
352929. I.C. 2928. No. 38.
352930. I.C. 2929. No. 39.
352931. I.C. 2930. No. 40.
352932. I.C. 2931. No. 41.
352933. I.C. 2931A.
352934. I.C. 2935. No. 45.
352935. I.C. 2936. No. 46.
352936. I.C. 2937. No. 47.
352937. I.C. 2939. No. 49.
352938. I.C. 2940. No. 50.
352939. I.C. 2942. No. 52.
352940. I.C. 2945. No. 55.
352941. I.C. 2946. No. 56.
352942. I.C. 2947. No. 57.
352943. I.C. 2948. No. 58.
352944. I.C. 2949. No. 59.
352945. I.C. 2952. No. 62.
352946. I.C. 2953. No. 63.
352947. I.C. 2953A.
352948. I.C. 2953B.
352949. I.C. 2955. No. 65.
352950. I.C. 2958. No. 68.

352826 to 353383—Continued

352951. I.C. 2959. No. 69.
352952. I.C. 2960. No. 70.
352953. I.C. 2961. No. 71.
352954. I.C. 2964. No. 2088. Coimbatore, Madras.
352955. I.C. 2965. C 57. Coimbatore, Madras.
352956. I.C. 2969. Rajkot, Gujarat. Fodder type.
352957. I.C. 2970. Rajkot, Gujarat. Fodder type.
Trivandrum, Kerala.
352958. I.C. 2986.
352959. I.C. 2987.
352960. I.C. 2989.
352961. I.C. 2990. 'Ollukara I'.
352962. I.C. 2991. 'Ollukara II'.
352963. I.C. 2991A. 'Ollukara II'.
352964. I.C. 2992. 'Ollukara III'.
352965. I.C. 2993. 'Ollukara IV'.
352966. I.C. 2995. 'Ollukara VI'.
352967. I.C. 2995A.
352968. I.C. 2997. 'Ollukara VIII'.
352969. I.C. 2999. 'Ollukara X'.
352970. I.C. 3003. 'Ollukara XIV'.
352971. I.C. 3004.
352972. I.C. 3008.
352973. I.C. 3009.
352974. I.C. 3010.
352975. I.C. 3016. Sample III. Hyderabad, Andhra Pradesh.
352976. I.C. 3120. Poona, Maharashtra.
352977. I.C. 3130. Calcutta, West Bengal.
352978. I.C. 3254. Srinagar, Jammu-Kashmir.
352979. I.C. 3336. Sangrur, Punjab.
352980. I.C. 3337. Sangrur, Punjab.
352981. I.C. 3338. Source unknown.
352982. I.C. 3792. Junagadh, Gujarat.
352983. I.C. 3892. Mahasu, Himachel Pradesh.
352984. I.C. 3905. Patankoth, Punjab.
352985. I.C. 3999. Source unknown.
352986. I.C. 4403. Source unknown.
352987. I.C. 4639. Katrain, Kulu Valley, Himachel Pradesh. Hilly area.
352988. I.C. 4640. Katrain, Kulu Valley, Himachel Pradesh. Hilly area.
352989. I.C. 4823. Harda, Madhya Pradesh.
352990. I.C. 5504. Sambhar, Rajasthan.
352991. I.C. 5514. Sambhar, Rajasthan.

352826 to 353383—Continued

352992. I.C. 5574. Source unknown.
352993. I.C. 6112. Saklashpur, Mysore.
352994. I.C. 6112A. Saklashpur, Mysore.
352995. I.C. 6142. Bangalore, Mysore.
352996. I.C. 6613. Source unknown.
352997. I.C. 7093. Lakhawad.
352998. I.C. 7095. Liteh, Gujarat.
352999. I.C. 7169. Madras.
353000. I.C. 7170. Trivandrum, Kerala.
353001. I.C. 7172. Trivandrum, Kerala.
353002. I.C. 7196. Ambala, Haryana.
353003. I.C. 7393 Gwalior, Madhya Pradesh.
353004. I.C. 7428. Madras.
353005. I.C. 7429. Madras.
353006. I.C. 7430. Madras.
353007. I.C. 7459. T 1. Kanpur, Uttar Pradesh.
353008. I.C. 7487. Lucknow, Uttar Pradesh.
Himachel Pradesh.
353009. I.C. 7823. Manjhanli Gopalpur.
353010. I.C. 7824. Ponda.
353011. I.C. 7827. Geori.
353012. I.C. 7829. Solan.
353013. I.C. 7830. Solan.
353014. I.C. 7831. V. Rauuir Chaura Nichar.
353015. I.C. 7832. V. Raunir Chaura Nichar.
353016. I.C. 7833. V. Raunir Chaura Nichar.
353017. I.C. 7834. Chaura.
353018. I.C. 7836. Kashpo.
353019. I.C. 7837. Sarhan.
353020. I.C. 7838. Sir Murital.
353021. I.C. 7839. Nemara.
353022. I.C. 7895. Source unknown.
353023. I.C. 7916. Source unknown.
353024. I.C. 8266. Simla, Himachel Pradesh. Elevation, 2,200 to 2,300 m.
353025. I.C. 8268. Simla, Himachel Pradesh. Elevation 2,200 to 2,300 m.
353026. I.C. 8437. Source unknown.
353027. I.C. 8605. Chamba Valley.
353028. I.C. 8610. Chamba Valley.
353029. I.C. 8667. Source unknown.
353030. I.C. 8966. Suratgarh, Rajasthan.
353031. I.C. 8970. Bilara village, Rajasthan.
353032. I.C. 8990. Pali village, Rajasthan.

352826 to 353383—Continued

353033. I.C. 9053. Gomat village, Rajasthan.
353034. I.C. 9151. Nagaur village, Rajasthan.
353035. I.C. 9157. Pali village, Rajasthan.
353036. I.C. 9159. Source unknown.
353037. I.C. 9287. Source unknown.
353038. I.C. 9642. Chauntangha Singhik, Sikkim, Bhutan.
353039. I.C. 9642A. Chauntangha Singhik, Sikkim, Bhutan.
353040. I.C. 9780. Amravati, Maharashtra.
353041. I.C. 9833. Source unknown.
353042. I.C. 9848. Badrinath, Uttar Pradesh. Near Joshi Math. Higher altitude.
353043. I.C. 9849. Badrinath, Uttar Pradesh.
353044. I.C. 9883. Abdullah Gunj, Maharashtra.
353045. I.C. 10201. Surat Government Farm, Gujarat.
353046. I.C. 10206. Surat, Gujarat.
353047. I.C. 10207. Bandsa Marwar.
353048. I.S. 10207A. Bandsa Marwar.
353049. I.C. 10210. Gondal.
353050. I.C. 10212. Gondal.
353051. I.C. 10213. Saurastra.
353052. I.C. 10217. Rajkot, Gujarat.
353053. I.C. 10219. Rajkot, Gujarat.
353054. I.C. 10221. Chekalar Anand, Gujarat.
353055. I.C. 10222. Chekalar Anand, Gujarat.
353056. I.C. 10226. Pisad Surat.
353057. I.C. 10227. Mehsana, Gujarat.
353058. I.C. 10228. Junagadh, Gujarat.
353059. I.C. 10229. Near Junghnu, Rajasthan.
353060. I.C. 10230. Jodhpur Farm, Rajasthan.
353061. I.C. 10680. Kerala State.
353062. I.C. 10704. Himachel Pradesh State.
353063. I.C. 10704A. Himachel Pradesh State.
353064. I.C. 10705. Source unknown.
353065. I.C. 10706. Source unknown.
353066. I.C. 10706A. Source unknown.
353067. I.C. 10707. Himachel Pradesh State.
353068. I.C. 10714A. Source unknown.
353069. I.C. 10810. Lalbagh, Banglore, Mysore.
353070. I.C. 11106. Kerala State.
353071. I.C. 11107. Kerala State.
353072. I.C. 11181. Jodhpur market, Rajasthan.
353073. I.C. 11337. Mundra, Gujarat.

352826 to 353383—Continued

353074. I.C. 11374. Mundra, Gujarat.
353075. I.C. 11456. Naranpura, Gujarat.
353076. I.C. 11491. Moradabad, Uttar Pradesh.
353077. I.C. 11685. Kotkhai, Himachel Pradesh.
353078. PLL–3. Local. Akola, Maharashtra.
353079. PLL–5. Aligarh, Uttar Pradesh.
353080. PLL–6. Dholi.
353081. PLL–7. GWI K8. Gwalior, Madhya Pradesh.
353082. PLL–8. 'Bombay 20'. Gwalior, Madhya Pradesh.
353083. PLL–10. K–14. Gwalior, Madhya Pradesh.
353084. PLL–11. 'Punjab 12A'. Gwalior, Madhya Pradesh.
353085. PLL–12. 'Durgapur'. Gwalior, Madhya Pradesh.
353086. PLL–14. 'Bold' × white. Malkapur market, Madhya Pradesh.
353087. PLL–15A. Musaferpur.
353088. PLL–17. Musheri, Bihar.
353089. PLL–17A. Musheri, Bihar.
353090. PLL–22. Local. Nagpur, Maharashtra.
353091. PLL–23. Nagpur, Maharashtra.
353092. PLL–25. 'Foigao Mil'. Nagpur, Maharashtra.
353093. PLL–26. 5–19–4–1. Nagpur, Maharashtra.
353094. PLL–27. Nagpur, Maharashtra.
353095. PLL–29. Pusa, Bihar.
353096. PLL–30. Ranchi, Bihar.
353097. PLL–31. Ranchi, Bihar.
Madhya Pradesh.
353098. PLL–32. Rewa.
353099. PLL–34. Sihora.
353100. PLL–35. Sihora.
353101. PLL–36. Hy 4. Sabour.
353102. PLL–38. Hy 3. Sabour.
353103. PLL–39. S T–3. Sabour.
353104. PLL–40. Kanpur, Uttar Pradesh.
Himachel Pradesh.
353105. PLL–41. Archand
353106. PLL–43. Bromrye.
353107. PLL–44. J. hegu.
353108. PLL–45. Banikhet.
353109. PLL–45–1. Banikhet.
353110. PLL–46. Inatipdhar.
353111. PLL–47. Baragaon.
353112. PLL–48. Dharamel.
353113. PLL–49. Joginduri.

352826 to 353383—Continued

353114. PLL–50. Bhuntar.
353115. PLL–51. Thind.
353116. PLL–52. Thind.
353117. PLL–53. Naile Mandi.
353118. PLL–54. Raison.
353119. PLL–55. Badharn Bijora.
353120. PLL–56. Mond.
353121. PLL–58. Vinagem Sundar kigir.
353122. PLL–59. Naggar.
353123. PLL–60. Joginder Nagar.
353124. PLL–61. Source unknown.
353125. PLL–63. Kulu Valley, Bajor, Himachel Pradesh. Elevation 1,000 to 1.300 m.
353126. PLL–63A. Kulu Valley, Bajor, Himachel Pradesh. Elevation 1,000 to 1,300 m.
353127. PLL–65. Sarsai, Kulu Valley, Himachel Pradesh.
353128. PLL–67. Joginder Nagar.
353129. PLL–68. Baragaon.
353130. PLL–70. Bagar.
353131. PLL–71. Barwala, Himachel Pradesh.
353132. PLL–72. Betole.
353133. PLL–72–1. Betole.
353134. PLL–73. Bhatinda, Punjab.
353135. PLL–75. Bhadarn.
353136. PLL–79. Charrishanf.
353137. PLL–80. Chunna.
353138. PLL–82. Kehnuwar.
353139. PLL–84. Udhampur. Jammu-Kashmir.
353140. PLL–85. Udhampur, Jammu-Kashmir.
353141. PLL–86. Udhampur, Jammu-Kashmir.
353142. PLL–88. Sangrur, Punjab.
353143. PLL–90. Sangrur, Punjab.
353144. PLL–93. Hansi.
353145. PLL–94. Saurasa.
353146. PLL–95. Sohna, Haryana.
353147. PLL–96. Simla, Himachel Pradesh. Hill Station 2.200 to 2,300 m.
353148. PLL–97. Srinagar, Jammu-Kashmir.
353149. PLL–98. Suttanpur, Uttar Pradesh.
353150. PLL–99. Piplanwala, Punjab, Hoshiarpur.
353151. PLL–100. Pattar.
353152. PLL–103. Patiala, Punjab.
353153. PLL–104. Nabba, Punjab.
353154. PLL–105. Morinda.

352826 to 353383—Continued

353155. PLL–107. Mogoni.
353156. PLL–108. Mahl.
353157. PLL–113. Khanbal, Jammu-Kashmir.
353158. PLL–115. Jagrama.
353159. PLL–116. Jullundur, Punjab.
353160. PLL–117. Jullundur, Punjab.
353161. PLL–118. Jullundur, Punjab.
353162. PLL–119. Ispur.
353163. PLL–120. Hissar, Haryana.
353164. PLL–122. C 57. Coimbatore, Madras.
353165. PLL–123. Bedam, Garhwal, Uttar Pradesh.
353166. PLL–125. Kanka, Garhwal, Uttar Pradesh.
353167. PLL–126. Karna Prayag, Uttar Pradesh.
353168. PLL–127. Dadri.
353169. PLL–128. Banda, Uttar Pradesh.
353170. PLL–129. Banda, Uttar Pradesh.
353171. PLL–132. Moradabad, Uttar Pradesh.
353172. PLL–133. Jabalpur, Madhya Pradesh.
353173. PLL–134. Deolikota Road. Rajasthan.
353174. PLL–136. Ghara, Bhairain Mandi.
353175. PLL–137. Kasar, Kota ; Thalwar Road. Rajasthan.
353176. PLL–138. Thalwar.
353177. PLL–139. Kekri.
353178. PLL–140. Nasirabad.
353179. PLL–141. Nasirabad.
353180. PLL–144. Sarwar.
353181. PLL–145. Sarwar.
353182. PLL–146. Kekri.
353183. PLL–147. Thirnia, near Spalwar.
353184. PLL–148. Pur.
353185. PLL–149. Majera.
353186. PLL–150. Potden.
353187. PLL–151. Gurlan.
353188. PLL–152. Punas.
353189. PLL–154. Pur.
353190. PLL–155. Sahadan.
353191. PLL–156. Majera.
353192. PLL–157. Pur.
353193. PLL–159. Ratanpura.
353194. PLL–160. Galodia.
353195. PLL–162. Kankroli.

352826 to 353383—Continued

353196. PLL–163. Moodi.
353197. PLL–164. Odi.
353198. PLL–165. Moodi.
353199. PLL–166. Bachi.
353200. PLL–167. Bachi.
353201. PLL–169. Gudasar.
353202. PLL–170. Salambar.
353203. PLL–171. Patora.
353204. PLL–172. Daga.
353205. PLL–173. Rotora.
353206. PLL–174. Kherwara.
353207. PLL–175. Indalikera.
353208. PLL–176. Chamba, Salambur.
353209. PLL–177. Ajmer.
353210. PLL–178. Duga.
353211. PLL–180. Modasa.
353212. PLL–181. Salinbar.
353213. PLL–182. Dhansara.
353214. PLL–183. Footta.
Gujarat.
353215. PLL–184. Kaira.
353216. PLL–185. Bagodra.
353217. PLL–187. Bagodra.
353218. PLL–188. Methana.
353219. PLL–190. Rajkot.
353220. PLL–191. Methana.
353221. PLL–192. Methana.
353222. PLL–195. Surendra Nagar.
Gujarat.
353223. PLL–196. Jabari.
353224. PLL–197. Tuwa.
353225. PLL–201. Shivrajpur.
353226. PLL–203. Dayadra.
353227. PLL–205. Booach.
353228. PLL–208. Lakdiya.
353229. PLL–209. Vidada.
353230. PLL–212. Samalia.
353231. PLL–213. Kotada.
353232. PLL–214. Kotada.
353233. PLL–215. Budadra.
353234. PLL–216. Angio.
353235. PLL–217. Bhuj.

352826 to 353383—Continued

353236. PLL–219. Sihori.

353237. PLL–223. Source unknown.

Gujarat.

353238. PLL–224. Sandia.

353239. PLL–227. Bichuri.

353240. PLL–229. Biawa.

353241. PLL–230. Khariza.

353242. PLL–231. Bichuri.

353243. PLL–233. Dharuhera.

353244. PLL–234. Mondopur.

353245. PLL–235. Shajahanpur.

353246. PLL–236. Amber.

353247. PLL–237. Kotputti.

353248. PLL–238. Lobana.

Himachel Pradesh.

353249. PLL–239. Jagat Khana, Kulu.

353250. PLL–240. Brao, Kulu.

353251. PLL–241. Ghrat, Kulu.

353252. PLL–242. Jagat Khana, Kulu.

353253. PLL–243. Brao, Kulu.

353254. PLL–244. Rampur, Kulu.

353255. PLL–245. Sarhan District Mahansu.

353256. PLL–246. Jeari, Kulu Valley.

353257. PLL–247. Sarhan District Mahansu.

353258. PLL–248. Bizly.

353259. PLL–249. Bizly.

353260. PLL–251. Mantholi.

353261. PLL–252. Dhanol.

353262. PLL–253. Simla. Elevation 2,200 to 2,300 m.

353263. PLL–254. Simla. Elevation 2,200 to 2,300 m.

353264. PLL–255. Simla. Elevation 2,200 to 2,300.

353265. PLL–256. Simla. Elevation 2,200 to 2,300 m.

353266. PLL–257. Pherong, Sikkim, Bhutan. Hilly area.

353267. PLL–258. Vijaywad Gantoor, Sikkim. Hilly area.

353268. PLL–259. Manophlong. Hilly area.

353269. PLL–260. Kalimpong, District Darjeeling, West Bengal. Elevation 2,000 to 2,300 m.

Uttar Pradesh.

353270. PLL–263. T2.

353271. PLL–263A.

353272. PLL–263B.

353273. PLL–264. 5269.

Himachel Pradesh.

352826 to 353383—Continued

353274. PLL–265. Katya.
353275. PLL–266. Katya.
353276. PLL–267. Kandun.
353277. PLL–268. Pooka.
353278. PLL–269. Pooka.
353279. PLL–271. Minal Bag.
353280. PLL–272. Rangua.
353281. PLL–273. Kandaun.
353282. PLL–274. Dugana.
353283. PLL–275. Dagana Bag.
353284. PLL–276. Dagana Bag
353285. PLL–277. Dagana Bag
353286. PLL–278. Shilla.
353287. PLL–279. Shilla.
353288. PLL–281. Dabra.
353289. PLL–282. Dabra.
353290. PLL–283. Dabra.
353291. PLL–284. Dabra.
353292. PLL–286. Bookla.
353293. PLL–287. Bookla.
353294. PLL–288. Bookla.
353295. PLL–289. Bookla.
353296. PLL–290. Bookla.
353297. PLL–291. Majra.
353298. PLL–292. Rampur.
353299. PLL–293. Banjara.
353300. PLL–294. Dhaulakuan.
353301. PLL–295. Kalanwala, Bhoor.
353302. PLL–296. Sainwala.
353303. PLL–297. Sainwala.
353304. PLL–298. Chamara.
353305. PLL–299. Banohar.
353306. PLL–300. Banohar.
353307. PLL–301. Bizly.
353308. PLL–302. Bizly.
353309. PLL–303. Bizly.
353310. PLL–304. Mantholi.
353311. PLL–305. Dhanool.

Local Simla. Hill Station; elevation 2,000–2,300 m.

353312. PLL–306.
353313. PLL–307.
353314. PLL–308.

352826 to 353383—Continued

353315. PLL–309.
Himachel Pradesh.
353316. PLL–310. Sangin.
353317. PLL–311. Jagat Khana.
353318. PLL–312. Ranpur.
353319. PLL–313. Sarsan.
353320. PLL–314. Rani.
353321. PLL–315. Jeori.
353322. PLL–316. Ranpur.
353323. PLL–317. Barao.
353324. PLL–318. Jagat Khana.
353325. PLL–319. Ghrat.
353326. PLL–320. Dandbut.
South Kanara, Mysore State.
353327. PLL–321. Malpe.
353328. PLL–322. Malpe.
353329. PLL–323. Udipe.
353330. PLL–324. Udipe.
353331. PLL–327. Kotpudi.
353332. PLL–328. Kotpudi.
353333. PLL–329. Kotpudi.
353334. PLL–330. Charmandi.
353335. PLL–331. Charmandi.
353336. PLL–331A. Charmandi.
353337. PLL–331B. Charmandi.
353338. PLL–331C. Charmandi.
353339. PLL–331D. Charmandi.
353340. PLL–332. Charmandi.
353341. PLL–333. Bettangudi.
353342. PLL–334. Kotgohor, Chikmagalur, Mysore State.
353343. PLL–336. Kotgohor, Chikmagalur, Mysore State.
353344. PLL–339. Chikmagalur, Mysore State.
353345. PLL–340. Birut, Chikmagalur, Mysore State.
353346. PLL–342. Birut, Chikmagalur, Mysore State.
353347. PLL–343. Bettangudi, South Kanara, Mysore State.
353348. PLL–346. Jabalpur, Madhya Pradesh.
353349. PLL–348. Source unknown.
353350. PLL–349. Source unknown.
353351. PLL–350. Source unknown.
353352. PLL–351. Source unknown.
353353. PLL–352. Source unknown.
353354. PLL–353. Thind.
353355. PLL–355. Gangual, Anandpur Area.

352826 to 353383—Continued

Uttar Pradesh, Dehradun.

353356. PLL–356. Kheri, near Prem Nagar.
353357. PLL–357. Clemon town area.
353358. PLL–358. Clemon town area.

Uttar Pradesh.

353359. PLL–359. Subhash Nagar, Dehradun.
353360. PLL–361. Virbhadra, Rishikesh.
353361. PLL–362. Virbhadra, Rishikesh.
353362. PLL–363. Dugadda, Kotdwara.
353363. PLL–364. Dugadda, Kotdwara.
353364. PLL–365. Dugadda, Kotdwara.
353365. PLL–366. Dugadda, Kotdwara.
353366. PLL–367. Dhekuli Ramnagar.
353367. PLL–368. Ranibagh, District Nainital.
353368. PLL–369. Almora area. Hilly area 1,700 to 2,000 m.
353369. PLL–370. Almora area. Hilly area, 1,700 to 2,000 m.
353370. PLL–371. Bastia Tanakpur.
353371. PLL–372. Tankpur.
353372. PLL–373. Sambalpur, Orissa.
353373. PLL–374. Sambalpur, Orissa.
353374. PLL–375. Bhawani Patria, Orissa.
353375. PLL–378. Khurd Road.
353376. PLL–379. Jharsuguda area.
353377. PLL–380. Dindigul.
353378. PLL–382. Srivilliputtar, Mysore State.
353379. PLL–383. Srivilliputtar, Mysore State.
353380. PLL–384. Tenkari, Mysore State.
353381. PLL–385. Kosaling.
353382. PLL–386. Mankot.
353383. PLL–387. Kandaghat, Himachel Pradesh.

353384. Ochna sp. Ochanaceae.

From United States. Seed collected by Quentin Jones, Plant Science Research Division, Plant Industry Station, Beltsville, Md. Received August 12, 1970.

B–58080. Hawaii. November, 1966.

353385. Arundinaria gigantea (Walt.) Chapm. Gramineae.

Canebrake bamboo.

From United States. Plant presented in 1965 by F. A. McClure, Smithsonian Institution, Washington, D.C. Received August 14, 1970.

MBG 2784. Originally from native stand on old Shaker farm near Lebanon, Warren County, Ohio. northernmost recorded distribution of this species.

353386. Gardenia sp. Rubiaceae.

From United States. Cuttings presented in 1964 by a Mr. Smith. Harden County, Tex. Received August 12, 1970.

Bush 6 m. high by 9 m. wide. Flowers very large. Wild. Junglelike area.

353387 to 353390. TRITICUM AESTIVUM L. Gramineae.

Common wheat.

From Brazil. Seed presented by A. M. Schlehuber, United States Agency for International Development, Porto Alegre, Sao Paulo. Received August 12, 1970.

353387. 'IAS 54'.
353388. 'PEL 13180–65'.
353389. 'PEL 13494–66'.
353390. 'Cinquentenario'.

353391 to 353393.

From New Quinea. Plants collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland for USDA-Longwood Cooperative Program. Received August 19, 1970.

353391. DENDROBIUM SOPHRONITES Schlechter Orchidaceae.

871. Ekuam Ridge, southwest of Kundiawa. Elevation 2,700 m. Dwarf epiphyte; flowers exceptionally large, rose to crimson, barred with darker color at base of petals. Wild.

353392. DENDROBIUM UNCINATUM Schlechter

869. Trail to Mt. Wilhelm. Elevation 3,000 m. Dwarf epiphyte, flowers many, pink. Exceptionally vigorous. Wild.

353393. GLOMERA sp. Orchidaceae.

870. Trail to Mt. Wilhelm. Elevation 3,000 m. Dwarf epiphyte. Wild.

353394. CERCIDIPHYLLUM MAGNIFICUM Nakai Trochodendraceae.

From Japan. Seed presented by Botanic Gardens, University of Tokyo, Kunkyo-Ku, Tokyo. Received August 3, 1970.

353395 to 353398. CAMELLIA SINENSIS (L.) Kuntze. Theaceae.

Tea.

From Brazil. Plants presented by E. B. Germeck, Instituto Agronomico, Campinas, São Paulo. Received July 15, 1970.

353395. IAC–72. 'Africa'.
353396. IAC–158. 'Minas'.
353397. LAC–250. 'Yabutika'.
353398. IAC–259. 'Yamamoto'.

353399. PASPALUM PLICATULUM Michx. Gramineae.

From Ivory Coast. Cuttings presented by R. Maignien, Office de la Recherche Scientifique et Technique Autre-Mer, Centre d'Adiopodoume, Abidjan. Received March 4, 1970.

BN–19526.

353400 to 353403.

From South Africa. Seed presented by Division of Seed Control, Department of Agricultural Technical Services, Pretoria. Received August 18, 1970.

353400. SETARIA CHEVALIERI Stapf & Hubb. Gramineae.

Pretoria.

353401 and 353402. SETARIA NEGLECTA deWit

353401. G.P. 27. Kommerjleel.
353402. G.P. 30. Rietondale.

353403. SETARIA WELWITCHII Rendle

Santareno, Angola.

353404 and 353405.

From Canary Islands. Seed presented by Jardin de Aclimatacion Orotava, Puerto de la Cruz, Tenerife. Received August 13, 1970.

353404. ILEX CANARIENSIS Poir. Aquifoliaceae.

Taganana Valley.

353405. ILEX PERADO var. PLATYPHYLLA (Webb & Berth.) Loes.

Taganana Valley, Icod swamp.

353406. FRAGARIA × ANANASSA Duch. Rosaceae.

From Sweden. Plants presented by the Instiutionen for Frukt-Och Barodling, Alnarp. Received August 31, 1970.

'Zephyr'.

353407 to 353437.

From Israel. Seed presented by J. Katznelson, The Volcani Institute of Agricultural Research, Regional Experiment Station Neve-Ya'ar, P. O. Haifa. Received June 16, 1970.

353407. TRIFOLIUM ARGUTUM Banks ex Sol. Leguminosae.

NYT 1038.

353408 to 353411. TRIFOLIUM BATMANICUM Katznelson & Worley

353408. NYT 1061 8/6.
353409. NYT 1063 10/6.
353410. NYT 1064 11/6.
353411. NYT 1143 134 79/4.

353412. TRIFOLIUM BERYTHEUM Boiss. & Blanche

NYT 297.

353413 to 353420. TRIFOLIUM ECHINATUM Bieb.

353413. NYT 1402.
353414. NYT 1411.
353415. NYT 1412.
353416. NYT 1415.
353417. NYT 1424.
353418. NYT 1425.
353419. NYT 1428.
353420. NYT 1429.

353421 to 353423. TRIFOLIUM ECHINATUM var. CARMELII Gib & Belli

353421. NYT 208.
353422. NYT 209.
353423. NYT 211.

353424. TRIFOLIUM GLOBOSUM L.

NYT 1152 25/1.

353425 to 353428. TRIFOLIUM PAUCIFLORUM Urv.

353425. NYT 1245 31/6.
353426. NYT 1251 36/6.
353427. NYT 1252 37/3.
353428. NYT 1257 60/6.

353429. TRIFOLIUM PURPUREUM Loisel.

NYT 1296.

353430. TRIFOLIUM SALMONEUM Mouterde

NYT 260.

353431. TRIFOLIUM SPUMOSUM L.

NYT 831.

353432 to 353437. TRIFOLIUM SUBTERRANEUM L.

353432. 923.
353433. 1004.
353434. 1503.
353435. 1514.
353436. 1538.
353437. 1580.

353438. ATRIPLEX HALIMUS L. Chenopodiaceae.

From United States. Seed presented by J. R. Goodin, Department of Plant Sciences, University of California, Riverside, through Regional Plant Introduction Station, Pullman, Washington. Received August 21, 1970.

From single plant on University of California campus, Riverside.

353439. AVENA SATIVA L. Gramineae. **Common oat.**

From Netherlands. Seed presented by A. C. Zeven, Institute of Plant Breeding, Wageningen. Received August 24, 1970.

'Tarpan'.

353440. MEDICAGO SATIVA L. Leguminosae. **Alfalfa.**

From Denmark. Seed presented by Danish Seed Certification Committee, Copenhagen. Received August 24, 1970.

'Daehnfeldt Isis'.

353441 to 353446. ORYZA SATIVA L. Gramineae. **Rice.**

From West Pakistan. Seed presented by Cereal Diseases Research Station, Rawalpindi, under Public Law 480 Project A17–CR–3. Received August 31, 1970.

Resistant to kernel smut.

353441. Basmati-370.

353442. 622–B.

353443. 837.

353444. 6136–B.

353445. 6519–B.

353446. 66107–B.

353447 and 353448. ORYZA SATIVA L. Gramineae. **Rice.**

From Philippines. Seeds presented by International Rice Research Institute, Los Banos, Laguna. Received June 22, 1970.

353447. 'PARC R2'.

353448. L4 (40–1915–12).

353449 and 353450.

From Australia. Cuttings presented by Botanic Garden, Adelaide. Received December 8, 1969.

353449. HOYA CINNAMOMIFOLIA Hook. Asclepiadaceae.

353450. HOYA PURPUREO-FUSCA Hook.

353451 to 353454. CUCUMIS MELO L. Cucurbitaceae. **Muskmelon.**

From Union of Soviet Socialist Republics. Seed presented by E. T. Mescerov, N. Vavilov All–Union Institute of Plant Industry, Leningrad. Received April 24, 1970.

353451. 315. F_2 (Gynoecious × 'Genicheskaja', andromonoecious) × 'Genicheskaja'.

353452. 317. F_2 (Gynoecious × 'Genicheskaja', andromonoecious) × 'Genicheskaja'.

353453. 321. F_2 (Gynoecious × 'Tritsatidnevka', andromonoecious).

353454. 329. F_2 (Gynoecious × 'Kazochka', andromonoecious).

353455. TELFAIRIA PEDATA (J. E. Smith) Hook. Cucurbitaceae.

From Tanzania. Seed collected by R. E. Perdue, Jr., Plant Science Research Division, Plant Industry Station, Beltsville, Maryland. Received February 21, 1970.

NU 47843. Tanga. Purchased in local market.

353456 to 353462. CAJANUS CAJAN (L.) Millsp. Leguminosae. **Pigeon pea.**

From India. Seed presented by the Regional Pulse Improvement Project, Agency for International Development, New Delhi. Received May 27, 1970.

Field resistance to *Phytophthora* stem blight.

353456. 09–069–02249.
353457. 09–069–02357.
353458. 09–069–02449.
353459. 09–069–02908.
353460. 09–069–03727.
353461. 09–069–04419.
353462. 09–069–04739.

353463 to 353469.

From Uruguay. Seeds presented by Bernardo Rosengurtt, Laboratorio Botanica, Montevideo. Received August 20, 1970.

353463. BRIZA ERECTA Lam. Gramineae.

B–10940. Carrasco, Canelones. December 1968.

353464. BRIZA LINDMANII Ekman

Sayago. November 1968.

353465. BRIZA MAXIMA L. **Big quaking grass.**

Sayago. December 1968.

353466. BRIZA POAEMORPHA (Presl) Henr.

B–10941. Carrasco, Canelones. November 1968.

353467. BRIZA SUBARISTATA Lam.

Botanic Garden, Montevideo. December 1969.

353468. BRIZA SUBARISTATA var. INTERRUPTA (Hack.) Roseng., Arr. & Izag.

B–10967. Cerro district of Montevideo. December 1968.

353469. BRIZA UNIOLAE (Nees) Nees ex Steud.

Carrasco, Canelones. December 1968.

353470. BRIZA MAXIMA L. Gramineae. **Big quaking grass.**

From Israel. Seed presented by Plant Introduction Service, Volcani Institute of Agricultural Research, Beit Dagan. Received August 18, 1970.

Gedera.

353471 to 353474. COFFEA ARABICA L. Rubiaceae. **Coffee.**

From Portugal. Seed presented by the Centro de Investigacao das Ferrugens Do Cafeeiro, Estacao Agronomica Nacional, Oeiras, through the Instituto Interamericano de Ciencias Agricolas de la Oea, Turrialba, Costa Rica. Received September 8, 1970.

353471. H. 175/6.
353472. H. 276/2.
353473. H. 296/2.
353474. HW. 26/13.

353475. PRUNUS ARMENIACA L. Rosaceae. **Apricot.**

From Tunisia. Scions presented by the Institut National de la Recherche Agronomique de Tunisie, Ariana. Received September 8, 1970.

'Hamidi'.

353476 to 353552. PHASEOLUS VULGARIS L. Leguminosae.

Common bean.

From United States. Seed collected 1930 by D. N. Shoemaker, Bureau of Plant Industry, U.S. Department of Agriculture, Washington, D.C. Additional field numbers assigned by W. W. Tracy. Information available from Regional Plant Introduction Station, Pullman, Wash. Received April 24, 1970.

Puerto Rico.

353476. 24898. Seed small, black.
353477. 24899. Seed medium, dark tan, brown mottled.
353478. 24900. Seed medium, red-brown, tan mottled.
353479. 25431. Africa. Seed medium, yellow.

Soviet Union.

353480. 27671A. Seed medium, brown.
353481. 27671B. Seed small, white.
353482. 27675. Seed large, white.
353483. 27676. Seed white, large, flat.
353484. 27676. Seed white, small, round.
353485. 27680. Seed mixed colors and sizes.
353486. 27691. Seed small, white.
353487. 27693. Seed medium, brown, flat.
353488. 27694. Seed small, brown, flat.
353489. 27696. Seed medium, tan, mottled brown.
353490. 27702A. Seed medium, light brown.
353491. 27706. Seed medium, white, flat.
353492. 27714. Seed variable in size, white, plump.
353493. 27721. Seed large. white, flat.

Brazil.

353494. 27760. Seed small, brown and black.
353495. 27760A. Seed small to medium, tan with black mottling.
353496. 27761. Seed small, tan to brown.
353497. 27772. Venezuela. Seed small to medium, black.
353498. 27783. Argentina. Seed medium, white, rounded.

China.

353499. 27811. Seed medium, brown, plump.
353500. 27819. Seed large, tan with dark mottling, flat.
353501. 27819A. Seed medium, gray to tan with dark mottling.
353502. 27819B. Seed medium, tan, mottled black to black.
353503. 27819BA. Seed medium, tan, black mottling, flat.
353504. 27819BB. Seed small, tan, black mottling, to black.
353505. 27822. Seed medium, white.
353506. 27822A. Seed small to medium, black.
353507. 27822BA. Seed small to medium, brown.
353508. 27824. Seed large, tan, mottled red, rounded.
353509. 27827. Seed medium, yellow brown.

353476 to 353552—Continued

353510. 27859. Seed small to medium, light brown, black mottled.

353511. 27863. Seed medium, tan, brown mottled.

353512. 27865. Seed medium, pink to brown, mottled brown, long kidney shape.

353513. 27866. Seed medium, brown with darker mottling, long kidney.

353514. 28045. Seed medium, brown.
Georgia, U.S.A.

353515. 28172. Seed large, white and white with brown mottling, long kidney.

353516. 28172A. Seed medium, tan, dark brown mottling, and dark brown.

353517. 28172B. Seed small, mixed.

353518. 28172BA. Seed small, tan with yellow and brown mottling, round.

353519. 28172BB. Seed medium, gray, darker mottling.

353520. 28216. Seed medium, brown to black.

353521. 28216A. Seed medium, tan to brown, dark mottling.

353522. 28216B. Seed medium, tan to black, flat.

353523. 28216D. Seed medium, tan, dark mottling, flat.

353524. 28220. Seed medium, tan to brown, brown mottling.

353525. 28227. Seed large, tan, dark mottling, plump.

353526. 28227A. Seed large, tan, dark mottling, plump.

353527. 28227CA. Seed large, dark brown, plump.

353528. 28237. Palestine. Seed large, light to dark brown, plump.

353529. 28665. India. Seed small, black.

353530. 28791. China. Seed small, tan to brown.

353531. 28792. China. Seed medium, tan, mottled brown.

353532. 28794. Soviet Union. Seed medium, red brown, mottled.

353533. 28810. East Africa. Seed small to medium, light brown, black mottling.

353534. 28813. East Africa. Seed large, violet, long kidney shape.

353535. 28816. East Africa. Seed medium, light to dark brown.

353536. 28817. East Africa. Seed medium, tan to green.

353537. 28818. East Africa. Seed small, light brown, mottled black.

353538. 28822. South Africa. Seed medium, tan, speckled violet.

353539. 29143. China. Seed small, white, round.

353540. 29149. Soviet Union. Seed medium, yellowish brown, round.

353541. 29378B. Japan. Seed medium, gray, mottled black, elongated.

353542. 29378D. Japan. Seed medium, tan to dark brown, some mottled darker.

353543. 29378E. Japan. Seed large, mixed colors.

353544. 29378F. Japan. Seed medium, black and white.

353545. 29378FA. Japan. Seed medium, white, black markings near hilum.

353546. 29378G. Japan. Seed medium, brown with purple mottling to pale purple.

353547. 293781. Japan. Seed medium, brown and purple.

353548. 29380. Japan. Seed medium, brown, black and white mixed.

353476 to 353552—Continued

353549. 29382A. Japan. Seed medium, brown.

353550. 29382B. Japan. Seed medium, light brown.

353551. 29384. Japan. Seed medium, small, brown.

353552. 29293A. Japan. Seed medium, yellow brown.

353553 to 353564. PHASEOLUS VULGARIS L. Leguminosae. Bean.

From United States. Seed collected 1930 by K. A. Ryerson, Bureau of Plant Industry, United States Department of Agriculture, Washington, D.C. Additional field numbers assigned by W. W. Tracy. Information available from Regional Plant Introduction Station, Pullman, Wash. Received April 24, 1970.

353553. 285. Venezuela. Seed medium, white, rounded.

353554. 286. 'Boncha Blanca'. Venezuela. Seed medium, white, elongated.

353555. 291. Venezuela. Seed small, white, rounded.

353556. 505. Mexico. Seed medium, white, rounded.

353557. 543 Germany. Seed medium, white, elongated.

353558. 544. Germany. Seed medium, white, flattened.

353559. 544A. Germany. Seed medium, brown or white.

353560. 544AA. Germany. Seed medium, brown.

353561. 544B. Germany. Seed large, brown or white, flat.

353562. 549. Germany. Seed medium, white.

353563. 552A. Germany. Seed medium, white.

353564. 554. Germany. Seed medium, white, elongated.

353565 to 353567. PHASEOLUS VULGARIS L. Leguminosae. Common bean.

From United States. Seed collected 1931 by J. E. Barr, Bureau of Plant Industry, United States Department of Agriculture, Washington, D.C. Additional field numbers assigned by W. W. Tracy. Information available from Regional Plant Introduction Station, Pullman, Wash. Received April 24, 1970.

353565. 'Otenashi'. Japan. Seed small, white, rounded.

353566. White Pea. Hungary. Seed small, white, rounded.

353567. White Medium Pea. Hungary. Seed small, white, rounded.

353568 to 353627. PHASEOLUS VULGARIS L. Leguminosae. Common bean.

From United States. Seed collected 1935 by A. C. Hildreth and LeRoy Powers, United States Horticultural Field Station, Cheyenne, Wyo. Additional field numbers assigned by W. W. Tracy. Information available from Regional Plant Introduction Station, Pullman, Wash. Received April 24, 1970.

Taos, N. Mex.

353568. 70. Seed medium, brown or purple.

353569. 412. Seed medium, brown or purple mottled white.

Gallup, N. Mex.

353570. 78. Seed small, purple, flattened.

353571. 417. Seed small, brown, white mottled flat.

353572. 418. Seed small, brown mottled, flat.

353573. 82. Seed medium, purple, flat.

353568 to 353627—Continued

353574. 84. Seed large tan, flat.

353575. 506. Seed medium, tan, flat.

353576. 422. Seed small, brown and white mottled.

353577. 507. Seed medium, tan, brown mottled, flat.

353578. 87. Seed medium, brown.

353579. 424. Seed medium, tan or brown.

353580. 92. Seed medium, brown or purple.

353581. 96. Seed medium, tan, brown speckled.

353582. 429. Seed medium, tan, brown mottled.

353583. 109. Seed medium, light brown.

353584. 16. Seed large, light brown flat.

353585. 18. Seed medium, light brown.

353586. 430. Seed medium, white.

353587. 10. Costillo, N. Mex. Seed small, light brown.

353588. 433. Zia, N. Mex. Seed small, tan, brown mottled.

Chinle, Ariz.

353589. 21. Seed medium, light brown, flat.

353590. 434. Seed medium, black, flat.

353591. 436. Seed small, light brown.

353592. 438. Seed medium, light purple.

353593. 441. Seed large, gray, brown mottled.

353594. 442. Seed small, mixed.

353595. 444. Seed medium, tan, flat.

353596. 447. Seed medium, tan or gray.

353597. 448. Seed small, white.

353598. 35. Seed medium, brown, white mottled, flat.

353599. 28. Sapello Canyon, N. Mex. Seed medium, light brown, speckled dash of brown, flat.

353600. 30. Jemez, N. Mex. Seed medium, white.

Black Mountain, Ariz.

353601. 39. Seed small to medium, light brown, mottled dark brown.

353602. 43. Seed medium, black.

353603. 46. Seed medium, mixed.

353604. 457. Seed small to medium, light brown.

353605. 358. Seed medium, light brown, speckled black.

353606. 459. Seed medium, light brown, speckled black.

353607. 460. Seed medium, brown, white mottled.

353608. 461. Seed medium, light brown.

353609. 462. Seed small to medium, brown.

353610. 463. Seed medium, brown or pink.

353611. 464. Seed medium, light brown, flat.

Ship Rock, N. Mex.

353612. 465. Ship Rock, New Mexico. Seed medium, white or brown.

353568 to 353627—Continued

353613. 466. Ship Rock, New Mexico. Seed medium, brown, brown speckled.

353614. 468. Ship Rock. New Mexico. Seed medium, brown.

Inesta, N. Mex.

353615. 482. Seed small, brown, rounded.

353616. 483. Seed medium, brown, flat.

353617. 484. Seed large, purple.

Laguna, N. Mex.

353618. 496. Seed medium, light brown, dark brown speckled.

353619. 497. Seed medium, light brown, white mottled.

Acomo Pueblo, N. Mex.

353620. 498. Seed medium, light brown, dark brown speckled.

353621. 499. Seed small, brown.

353622. 500. Seed medium, light brown.

353623. 501. Seed small, white, flat.

353624. 502. Seed medium, light brown or white.

353625. 503. Seed medium, to large, light brown or white.

353626. 49G. Seed medium, light brown with dark brown speckling.

353627. 504. Seed large, brown, or light brown speckled.

353628 to 353811. Oryza sativa L. Gramineae. Rice.

From India. Seed collected in Assam and presented by M. S. Swaminathan, Indian Agricultural Research Institute, New Delhi under Public Law 480 Project at A7–CR–205. Received May 4, 1970.

353628. I.A.R.I. 318.

353629. I.A.R.I. 319.

353630. I.A.R.I. 322.

353631. I.A.R.I. 323.

353632. I.A.R.I. 325.

353633. I.A.R.I. 326.

353634. I.A.R.I. 327.

353635. I.A.R.I. 5753 A.

353636. I.A.R.I. 5753 B.

353637. I.A.R.I. 5753 C.

353638. I.A.R.I. 5785.

353639. I.A.R.I. 5795.

353640. I.A.R.I. 5801.

353641. I.A.R.I. 5804.

353642. I.A.R.I. 5811.

353643. I.A.R.I. 5819.

353644. I.A.R.I. 5822.

353645. I.A.R.I. 5823.

353646. I.A.R.I. 5824.

353647. I.A.R.I. 5825.

353648. I.A.R.I. 5828.

353649. I.A.R.I. 5829.

353650. I.A.R.I. 5836.

353651. I.A.R.I. 5842 A.

353652. I.A.R.I. 5848 A.

353653. I.A.R.I. 5901.

353654. I.A.R.I. 5902.

353655. I.A.R.I. 5903 A.

353656. I.A.R.I. 5903 B.

353657. I.A.R.I. 5904.

353658. I.A.R.I. 5904 A.

353659. I.A.R.I. 5906.

353660. I.A.R.I. 5906 A.

353661. I.A.R.I. 5906 B.

353662. I.A.R.I. 5906 E.

353663. I.A.R.I. 5906 F.

353664. I.A.R.I 5907.

353665. I.A.R.I. 5910.

353666. I.A.R.I. 5915.

353667. I.A.R.I. 5916.

353668. I.A.R.I. 5918.

353669. I.A.R.I. 5920

353628 to 353811—Continued

353670. I.A.R.I. 5925.
353671. I.A.R.I. 5927.
353672. I.A.R.I. 5931.
353673. I.A.R.I. 5932.
353674. I.A.R.I. 5933.
353675. I.A.R.I. 5936.
353676. I.A.R.I. 5937.
353677. I.A.R.I. 5955.
353678. I.A.R.I. 5957.
353679. I.A.R.I. 5958.
353680. I.A.R.I. 5960.
353681. I.A.R.I. 5972.
353682. I.A.R.I. 5975.
353683. I.A.R.I. 5977.
353684. I.A.R.I. 5978.
353685. I.A.R.I. 5980.
353686. I.A.R.I. 5981 A.
353687. I.A.R.I. 5981 B.
353688. I.A.R.I. 5982.
353689. I.A.R.I. 5988.
353690. I.A.R.I. 5989.
353691. I.A.R.I. 5995.
353692. I.A.R.I. 6184.
353693. I.A.R.I. 6184 B.
353694. I.A.R.I. 6186.
353695. I.A.R.I. 6187.
353696. I.A.R.I. 6188.
353697. I.A.R.I. 6189.
353698. I.A.R.I. 6190.
353699. I.A.R.I. 6192.
353700. I.A.R.I. 6193.
353701. I.A.R.I. 6193 G.
353702. I.A.R.I. 6196.
353703. I.A.R.I. 6200.
353704. I.A.R.I. 6208.
353705. I.A.R.I. 6213.
353706. I.A.R.I. 6215.
353707. I.A.R.I. 6217.
353708. I.A.R.I. 6227.
353709. I.A.R.I. 6240.
353710. I.A.R.I. 6247.
353711. I.A.R.I. 6552.
353712. I.A.R.I. 6554.
353713. I.A.R.I. 6565.
353714. I.A.R.I. 6572.
353715. I.A.R.I. 6593.
353716. I.A.R.I. 6595.
353717. I.A.R.I. 6596.
353718. I.A.R.I. 6597.
353719. I.A.R.I. 6598.
353720. I.A.R.I. 6609.
353721. I.A.R.I. 6614.
353722. I.A.R.I. 6621.
353723. I.A.R.I. 6626.
353724. I.A.R.I. 6627.
353725. I.A.R.I. 6636.
353726. I.A.R.I. 6637.
353727. I.A.R.I. 6638.
353728. I.A.R.I. 6638 A.
353729. I.A.R.I. 6639.
353730. I.A.R.I. 6640.
353731. I.A.R.I. 6642.
353732. I.A.R.I. 7203.
353733. I.A.R.I. 7216.
353734. I.A.R.I. 7226.
353735. I.A.R.I. 7229.
353736. I.A.R.I. 7269.
353737. I.A.R.I. 7270.
353738. I.A.R.I. 7332.
353739. I.A.R.I. 7334.
353740. I.A.R.I. 7339.
353741. I.A.R.I. 7340.
353742. I.A.R.I. 7344.
353743. I.A.R.I. 7347.
353744. I.A.R.I. 7349.
353745. I.A.R.I. 7447.
353746. I.A.R.I. 7449.
353747. I.A.R.I. 10001.
353748. I.A.R.I. 10013.
353749. I.A.R.I. 10017.
353750. I.A.R.I. 10020.
353751. I.A.R.I. 10025.
353752. I.A.R.I. 10025 B.
353753. I.A.R.I. 10047.

353628 to 353811—Continued

353754. I.A.R.I. 10049.
353755. I.A.R.I. 10056.
353756. I.A.R.I. 10068.
353757. I.A.R.I. 10071.
353758. I.A.R.I. 10079.
353759. I.A.R.I. 10149.
353760. I.A.R.I. 10173.
353761. I.A.R.I. 10249.
353762. I.A.R.I. 10282.
353763. I.A.R.I. 10291.
353764. I.A.R.I. 10298.
353765. I.A.R.I. 10319.
353766. I.A.R.I. 10323.
353767. I.A.R.I. 10327.
353768. I.A.R.I. 10347.
353769. I.A.R.I. 10351 A.
353770. I.A.R.I. 10360.
353771. I.A.R.I. 10376.
353772. I.A.R.I. 10404.
353773. I.A.R.I. 10423.
353774. I.A.R.I. 10431.
353775. I.A.R.I. 10562.
353776. I.A.R.I. 10585.
353777. I.A.R.I. 10587.
353778. I.A.R.I. 10589.
353779. I.A.R.I. 10594.
353780. I.A.R.I. 10596.
353781. I.A.R.I. 10680.
353782. I.A.R.I. 10681.
353783. I.A.R.I. 10692.
353784. I.A.R.I. 10697.
353785. I.A.R.I. 10699.
353786. I.A.R.I. 10705.
353787. I.A.R.I. 10706.
353788. I.A.R.I. 10707.
353789. I.A.R.I. 10713.
353790. I.A.R.I. 10715.
353791. I.A.R.I. 10781.
353792. I.A.R.I. 10782.
353793. I.A.R.I. 10783.
353794. I.A.R.I. 10821.
353795. I.A.R.I. 10823.
353796. I.A.R.I. 10825.
353797. I.A.R.I. 10840.
353798. I.A.R.I. 10849.
353799. I.A.R.I. 10908.
353800. I.A.R.I. 10979.
353801. I.A.R.I. 11064.
353802. I.A.R.I. 11075.
353803. I.A.R.I. 11076.
353804. I.A.R.I. 11091.
353805. I.A.R.I. 11114.
353806. I.A.R.I. 11144.
353807. I.A.R.I. 11143.
353808. I.A.R.I. 11145.
353809. I.A.R.I. 11146.
353810. I.A.R.I. 11147.
353811. I.A.R.I. 11148.

353812. CARICA PAPAYA L. Caricaceae. **Papaya.**

From El Salvador. Seed presented by E. P. Imle, United States Department of Agriculture–Agency for International Development, San Salvador. Received September 3, 1970.

'Izalco No. 2'. Developed at Centro Nacional de Agronomica, Ministerio de Agricultura.

353813. DATURA sp. Solanaceae.

From France. Plants presented by Jardin Botanique 'Les Cadres', St. Jean-Cap-Ferrat. Received May 28, 1970.

'Grand Marnier'.

353814. CUCUMIS MELO L. Cucurbitaceae. **Muskmelon.**

From Israel. Seed presented by Z. Karchi, Agricultural Research Station, Neve-Yaar. Received September 2, 1970.

B142–5. Dwarf line.

353815 to 354064. ORYZA SATIVA L. Gramineae. Rice.

From Philippines. Seed received from the International Rice Research Institute, Los Banos and grown in 1969 at the Imperial Valley Research Station, El Centro, California. Received March 6, 1970.

353815. IV 441. IR81–105–2–3. MCVA × P.I. 215,936.

353816. IV 437. IR503–1–104–2. (Peta/3 × TN1) × (B589A4–18–1/2 × TN1).

353817. IV 6. IR510–11–3–2–3–2. FF36 × B583A1–4–2.

353818. IV 431. IR546–65–1 TN1 × Binato.

353819. IV 415. IR568–5–1–7. Yukara × TN1.

353820. IV 418. IR568–12–8–10. Yukara × TN1.

353821. IV 419. IR568–12–8–14. Yukara × TN1.

353822. IV 420. IR568–12–8–35. Yukara. × TN1.

353823. IV 435. IR596–4–5–1. IR8 × Pankhari 203.

353824. IV 4. IR610–1–15–1–2–2. FF33 × Kalijira Aman.

353825. IV 439. IR661–1–127–3–3. IR8 × IR127–2–2.

353826. IV 438. IR665–24–1. IR8 × Peta/5 × Belle Patna).

353827. IV 442. IR665–58–3. IR8 × (Peta/5 × Belle Patna).

353828. IV 211. IR667–1–32–3–1–1. IR8 × (Yukara × TN1).

353829. IV 212. IR667–1–47–3–2–3. IR8 × (Yukara × TN1).

353830. IV 214. IR667–1–71–1–3–2. IR8 × (Yukara × TN1).

353831. IV 215. IR667–1–79–1–2–1. IR8 × (Yukara × TN1).

353832. IV 216. IR667–25–2–1–3. IR8 × (Yukara × TN1).

353833. IV 217. IR667–31–3–2–3. IR8 × (Yukara × TN1).

353834. IV 218. IR667–35–1–3–2. IR8 × (Yukara × TN1).

353835. IV 223. IR667–65–3–3–1. IR8 × (Yukara × TN1).

353836. IV 224. IR667–80–2–1–1. IR8 × (Yukara × TN1).

353837. IV 228. IR667–80–6–2–1. IR8 × (Yukara × TN1).

353838. IV 229. IR667–81–1–1–1. IR8 × (Yukara × TN1).

353839. IV 230. IR667–84–1–1–3. IR8 × (Yukara × TN1).

353840. IV 231. IR667–84–1–2–3. IR8 × (Yukara × TN1).

353841. IV 427. IR667–89–2–1. IR8 × (Yukara × TN1).

353842. IV 429. IR667–98–2–1. IR8 × (Yukara × TN1).

353843. IV 430. IR667–98–2–2. IR8 × (Yukara × TN1).

353844. IV 233. IR667–96–1–3–2. IR8 × (Yukara × TN1).

353845. IV 422. IR667–98–1–2. IR8 × (Yukara × TN1).

353846. IV 234. IR667–98–2–2–2. IR8 × (Yukara × TN1).

353847. IV 235. IR667–98–2–3–1. IR8 × (Yukara × TN1).

353848. IV 238. IR667–115–3–3–1. IR8 × (Yukara × TN1).

353849. IV 239. IR667–142–2–1–1. IR8 × (Yukara × TN1).

353850. IV 412. IR667–B–1–2. IR8 × (Yukara × TN1).

353851. IV 413. IR667–B–1–3. IR8 × (Yukara × TN1).

353852. IV 414. IR667–8–9–2. IR8 × (Yukara × TN1).

353853. IV 264. IR781–41–3–2–1. IR8/2 × (Yukara × TN1).

353854. IV 265. IR781–41–3–3–1. IR8/2 × (Yukara × TN1).

353815 to 354064—Continued

353855. IV 268. IR781–89–2–2–2. IR8/2 × (Yukara × TN1).
353856. IV 270. IR781–92–2–2–3. IR8/2 × (Yukara × TN1).
353857. IV 271. IR781–92–1–2–1. IR8/2 × (Yukara × TN1).
353858. IV 272. IR781–92–1–2–2. IR8/2 × (Yukara × TN1).
353859. IV 279. IR781–118–2–1–3. IR8/2 × (Yukara × TN1).
353860. IV 282. IR781–133–2–1–1. IR8/2 × (Yukara × TN1).
353861. IV 283. IR781–133–2–3–3. IR8/2 × (Yukara × TN1).
363862. IV 284. IR781–134–1–2–3. IR8/2 × (Yukara × TN1).
353863. IV 285. IR781–137–2–1–2. IR8/2 × (Yukara × TN1).
353864. IV 423. IR781–146–2–3. IR8/2 × (Yukara × TN1).
353865. IV 299. IR781–187–1–3–1. IR8/2 × (Yukara × TN1).
353866. IV 303. IR781–194–1–2–1. IR8/2 × (Yukara × TN1).
353867. IV 306. IR781–194–3–2–2. IR8/2 × (Yukara × TN1).
353868. IV 307. IR781–194–3–3–1. IR8/2 × (Yukara × TN1).
353869. IV 426. IR781–194–3–3. IR8/2 × (Yukara × TN1).
353870. IV 246. IR781–450–2–1. IR8/2 × (Yukara × TN1).
353871. IV 247. IR781–451–1–2. IR8/2 × (Yukara × TN1).
353872. IV 248. IR781–460–1–2. IR8/2 × (Yukara × TN1).
353873. IV 249. IR781–497–2–2. IR8/2 × (Yukara × TN1).
353874. IV 255. IR781–551–1. IR8/2 × (Yukara × TN1).
353875. IV 256. IR781–553–3. IR8/2 × (Yukara × TN1).
353876. IV 260. IR781–677–1. IR8/2 × (Yukara × TN1).
353877. IV 262. IR781–653–2. IR8/2 × (Yukara × TN1).
353878. IV 310. IR781–B4–351–3–1–1. IR8/2 × (Yukara × TN1)
353879. IV 440. IR844–6–2. IR262–43–8–11 × Puang Nashk 16.
353880. IV 322. IR934–34–1. IR8/3 × (Yukara × TN1).
353881. IV 324. IR934–46–3. IR8/3 × (Yukara × TN1).
353882. IV 326. IR934–58–3. IR8/3 × (Yukara × TN1).
353883. IV 327. IR934–59–3. IR8/3 × (Yukara × TN1).
353884. IV 328. IR934–68–1. IR8/3 × (Yukara × TN1).
353885. IV 329. IR934–78–2. IR8/3 × (Yukara × TN1).
353886. IV 330. IR934–81–2. IR8/3 × (Yukara × TN1).
353887. IV 331. IR934–88–1. IR8/3 × (Yukara × TN1).
353888. IV 333. IR934–104–2. IR8/3 × (Yukara × TN1).
353889. IV 336. IR934–120–1. IR8/3 × (Yukara × TN1).
353890. IV 337. IR934–120–3. IR8/3 × (Yukara × TN1).
353891. IV 338. IR934–122–1. IR8/3 × (Yukara × TN1).
353892. IV 339F4. IR934–122–2. IR8/3 × (Yukara × TN1).
353893. IV 342. IR934–131–1. IR8/3 × (Yukara × TN1).
353894. IV 343. IR934–131–3. IR8/3 × (Yukara × TN1).
353895. IV 344. IR934–132–1. IR8/3 × (Yukara × TN1).
353896. IV 346. IR934–133–3. IR8/3 × (Yukara × TN1).
353897. IV 347. IR934–136–1. IR8/3 × (Yukara × TN1).

353815 to 354064—Continued

353898. IV 348. IR934–148–3. IR8/3 × (Yukara × TN1).
353899. IV 349. IR934–154–1. IR8/3 × (Yukara × TN1).
353900. IV 351. IR934–154–3. IR8/3 × (Yukara × TN1).
353901. IV 352. IR934–162–3. IR8/3 × (Yukara × TN1).
353902. IV 353. IR934–164–3. IR8/3 × (Yukara × TN1).
353903. IV 354. IR934–173–2. IR8/3 × (Yukara × TN1).
353904. IV 355. IR934–176–3. IR8/3 × (Yukara × TN1).
353905. IV 356. IR934–183–1. IR8/3 × (Yukara × TN1).
353906. IV 360. IR934–228–2. IR8/3 × (Yukara × TN1).
353907. IV 363. IR934–234–3. IR8/3 × (Yukara × TN1).
353908. IV 364. IR934–237–1. IR8/3 × (Yukara × TN1).
353909. IV 365. IR934–239–1. IR8/3 × (Yukara × TN1).
353910. IV 366. IR934–239–2. IR8/3 × (Yukara × TN1).
353911. IV 368. IR934–242–2. IR8/3 × (Yukara × TN1).
353912. IV 369. IR934–243–1. IR8/3 × (Yukara × TN1).
353913. IV 370. IR934–243–3. IR8/3 × (Yukara × TN1).
353914. IV 372. IR934–286–2. IR8/3 × (Yukara × TN1).
353915. IV 373. IR934–290–3. IR8/3 × (Yukara × TN1).
353916. IV 376. IR934–339–1. IR8/3 × (Yukara × TN1).
353917. IV 377. IR934–339–2. IR8/3 × (Yukara × TN1).
353918. IV 378. IR934–351–3. IR8/3 × (Yukara × TN1).
353919. IV 379. IR934–360–1. IR8/3 × (Yukara × TN1).
353920. IV 380. IR934–360–2. IR8/3 × (Yukara × TN1).
353921. IV 381. IR934–366–2. IR8/3 × (Yukara × TN1).
353922. IV 383. IR934–269–1. IR8/3 × (Yukara × TN1).
353923. IV 384. IR934–269–3. IR8/3 × (Yukara × TN1).
353924. IV 390. IR934–404–2. IR8/3 × (Yukara × TN1).
353925. IV 391. IR934–447–1. IR8/3 × (Yukara × TN1).
353926. IV 392. IR934–450–1. IR8/3 × (Yukara × TN1).
353927. IV 393. IR934–464–1. IR8/3 × (Yukara × TN1).
353928. IV 394. IR934–473–1. IR8/3 × (Yukara × TN1).
353929. IV 395. IR934–524–1. IR8/3 × (Yukara × TN1).
353930. IV 396. IR934–525–1. IR8/3 × (Yukara × TN1).
353931. IV 398. IR934–536–1. IR8/3 × (Yukara × TN1).
353932. IV 399. IR934–543–1. IR8/3 × (Yukara × TN1).
353933. IV 401. IR934–543–3. IR8/3 × (Yukara × TN1).
353934. IV 402. IR934–458–1. IR8/3 × (Yukara × TN1).
353935. IV 403. IR934–548–2. IR8/3 × (Yukara × TN1).
353936. IV 405. IR934–562–2. IR8/3 × (Yukara × TN1).
353937. IV 406. IR934–569–2. IR8/3 × (Yukara × TN1).
353938. IV 407. IR934–577–2. IR8/3 × (Yukara × TN1).
353939. IV 8. IR1305–5. (Palkweng × IR8) × Calady 40.

353815 to 354064—Continued

353940. IV 111. IR1310–B_2–1. (Palkweng × IR8) × [IR8/2 × (Yukara × TN1).]

353941. IV 112. IR1310–B_2–3. (Palkweng × IR8) [IR8/2 × (Yukara × TN1)].

353942. IV 114. IR1310–B_2–7. (Palkweng × IR8) × [IR8/2 × (Yukara × TN1)].

353943. IV 114. IR1310–B_2–12. (Palkweng × IR8) [IR8/2 × (Yukara × TN1)].

353944. IV 115. IR1310–B_2–17. (Palkweng × IR8) × [IR8/2 × (Yukara × TN1)].

353945. IV 116. IR1310–B_2–18. (Palkweng × IR8) × [IR8/2 × (Yukara × TN1)].

353946. IV 118. IR1310–B_2–35. (Palkweng × IR8) × [IR8/2 × (Yukara × TN1)].

353947. IV 121. IR1310–B_2–43. (Palkweng × IR8) × [IR8/2 × (Yukara × TN1)].

353948. IV 122. IR1310–B_3–61. (Palkweng × IR8) × [IR8/2 × (Yukara × TN1)].

353949. IV 123. IR1310–B_3–69. (Palkweng × IR8) × [IR8/2 × (Yukara × TN1)].

353950. IV 124. IR1310–B_3–76. (Palkweng × IR8) × [IR8/2 × (Yukara × TN1)].

353951. IV 126. IR1310–B_3–78. (Palkweng × IR8) × [IR8/2 × (Yukara × TN1)].

353952. IV 127. IR1310–B_3–79. (Palkweng × IR8) × [IR8/2 × (Yukara × TN1)].

353953. IV 128. IR1310–B_4–92. (Palkweng × IR8) × [IR8/2 × (Yukara × TN1)].

353954. IV 110. IR1310–9. IR8/2 × Palkweng.

353955. IV 443. IR1314–19. (IR8 × Palkweng) × Senbon Asahi.

353956. IV 10. IR1314–28. (IR8 × Palkweng) × Senbon Asahi.

353957. IV 11. IR1315–13. (IR8 × Palkweng) × Suwon 118.

353958. IV 12. IR1315–14. (IR8 × Palkweng) × Suwon 118.

353959. IV 13. IR1315–15. (IR8 × Palkweng) × Suwon 118.

353960. IV 14. IR1315–23. (IR8 × Palkweng) × Suwon 118.

353961. IV 26. IR1316–8. Jinheung/2 × IR262–43–8–11.

353962. IV 27. IR1316–10. Jinheung/2 × IR262–43–8–11.

353963. IV 30. IR1316–22. Jinheung/2 × IR262–43–8–11.

353964. IV 31. IR1316–24. Jinheung/2 × IR262–43–8–11.

353965. IV 34. IR1317–29. Jinheung × IR262–43–8–11/2.

353966. IV 35. IR1317–38. Jinheung × IR262–43–8–11/2.

353967. IV 37. IR1317–71. Jinheung × IR262–43–8–11/2.

353968. IV 39. IR1317–80. Jinheung × IR262–43–8–11/2.

353969. IV 41. IR1317–86. Jinheung × IR262–43–8–11/2.

353970. IV 43. IR1317–89. Jinheung × IR262–43–8–11/2.

353971. IV 44. IR1317–95. Jinheung × IR262–43–8–11/2.

353972. IV 46. IR1317–119. Jinheung × IR262–43–8–11/2.

353815 to 354064—Continued

353973. IV 47. IR1317–128. Jinheung × IR262–43–8–11/2.
353974. IV 49. IR1317–145. Jinheung × IR262–43–8–11/2.
353975. IV 54. IR1317–152. Jinheung × IR262–43–8–11/2.
353976. IV 62. IR1317–178. Jinheung × IR262–43–8–11/2.
353977. IV 63. IR1317–184. Jinheung × IR262–43–8–11/2.
353978. IV 67. IR1317–205. Jinheung × IR262–43–8–11/2.
353979. IV 69. IR1317–210. Jinheung × IR262–43–8–11/2.
353980. IV 70. IR1317–215. Jinheung × IR262–43–8–11/2.
353981. IV 71. IR1317–225. Jinheung × IR262–43–8–11/2.
353982. IV 72. IR1317–227. Jinheung × IR262–43–8–11/2.
353983. IV 74. IR1317–230. Jinheung × IR262–43–8–11/2.
353984. IV 76. IR1317–239. Jinheung × IR262–43–8–11/2.
353985. IV 77. IR1317–268. Jinheung × IR262–43–8–11/2.
353986. IV 79. IR1317–282. Jinheung × IR262–43–8–11/2.
353987. IV 80. IR1317–284. Jinheung × IR262–43–8–11/2.
353988. IV 81. IR1317–290. Jinheung × IR262–43–8–11/2.
353989. IV 82. IR1317–308. Jinheung × IR262–43–8–11/2.
353990. IV 83. IR1317–310. Jinheung × IR262–43–8–11/2.
353991. IV 85. IR1317–314. Jinheung × IR262–43–8–11/2.
353992. IV 86. IR1317–315. Jinheung × IR262–43–8–11/2.
353993. IV 87. IR1317–317. Jinheung × IR262–43–8–11/2.
353994. IV 88. IR1317–320. Jinheung × IR262–43–8–11/2.
353995. IV 89. IR1317–329. Jinheung × IR262–43–8–11/2.
353996. IV 90. IR1317–336. Jinheung × IR262–43–8–11/2.
353997. IV 91. IR1317–356. Jinheung × IR262–43–8–11/2.
353998. IV 92. IR1317–359. Jinheung × IR262–43–8–11/2.
353999. IV 95. IR1317–369. Jinheung × IR262–43–8–11/2.
354000. IV 96. IR1317–371. Jinheung × IR262–43–8–11/2.
354001. IV 97. IR1317–372. Jinheung × IR262–43–8–11/2.
354002. IV 106. IR1317–404. Jinheung × IR262–43–8–11/2.
354003. IV 108. IR1317–407. Jinheung × IR262–43–8–11/2.
354004. IV 109. IR1317–419. Jinheung × IR262–43–8–11/2.
354005. IV 15. IR1318–6. (Jinheung × IR262–43–8–11) × Calady 40.
354006. IV 16. IR1318–11. (Jinheung × IR262–43–8–11) × Calady 40.
354007. IV 17. IR1318–13. (Jinheung × IR262–43–8–11) × Calady 40.
354008. IV 18. IR1318–15. (Jinheung × IR262–43–8–11) × Calady 40.
354009. IV 19. IR1318–16. (Jinheung × IR262–43–8–11) × Ca lady 40.
354010. IV 20. IR1318–23. (Jinheung × IR262–43–8–11) × Calady 40.
354011. IV 23. IR1321–18. (Jinheung × IR262–43–8–11) × Senbon Asahi.
354012. IV 130. IR1325–B1–9. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].
354013. IV 132. IR1325–B1–12. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

353815 to 354064—Continued

354014. IV 134. IR1325–B1–18. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354015. IV 135. IR1325–B1–19. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354016. IV 138. IR1325–B1–24. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354017. IV 139. IR1325–B1–25. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354018. IV 142. IR1325–B1–30. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354019. IV 143. IR1325–B1–31. (Jinheung × IR262–43–8–11) × [IR8/2× (Yukara × TN1)].

354020. IV 144. IR1325–B1–32. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354021. IV 145. IR1325–B1–33. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354022. IV 147. IR1325–B1–39. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354023. IV 149. IR1325–B1–45. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354024. IV 151. IR1325–B1–47. (Jinheung × IR262–43–8–11) [IR8/2 × (Yukara × TN1)].

354025. IV 152. IR1325–B1–52. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354026. IV 154. IR1325–B1–59. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354027. IV 155. IR1325–B1–61. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354028. IV 156. IR1325–B1–62. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354029. IV 158. IR1325–B1–66. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354030. IV 161. IR1325–B1–70. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354031. IV 162. IR1325–B1–71. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354032. IV 164. IR1325–B1–73. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354033. IV 165. IR1325–B1–75. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354034. IV 166. IR1325–B1–76. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354035. IV 167. IR1325–B1–77. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354036. IV 168. IR1325–B1–78. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354037. IV 169. IR1325–B1–79. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354038. IV 170. IR1325–B1–80. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

353815 to 354064—Continued

354039. IV 171. IR1325–B1–86. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354040. IV 172. IR1325–B1–89. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354041. IV 173. IR1325–B1–90. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354042. IV 174. IR1325–B2–93. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354043. IV 176. IR1325–B2–97. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354044. IV 178. IR1325–B2–113. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354045. IV 179. IR1325–B2–114. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354046. IV 180. IR1325–B2–118. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354047. IV 181. IR1325–B2–121. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354048. IV 182. IR1325–B2–122. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354049. IV 183. IR1325–B2–123. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354050. IV 184. IR1325–B2–125. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354051. IV 185. IR1325–B2–128. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354052. IV 186. IR1325–B2–177. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354053. IV 187. IR1325–B2–187. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354054. IV 190. IR1325–B2–192. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354055. IV 191. IR1325–B2–193. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354056. IV 192. IR1325–B2–196. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354057. IV 194. IR1325–B2–200. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354058. IV 195. IR1325–B2–205. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354059. IV 197. IR1325–B2–208. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354060. IV 197. IR1325–B2–209. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354061. IV 198. IR1325–B2–211. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354062. IV 203. IR1325–B2–218. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

354063. IV 204. IR1325–B2–222. (Jinheung × IR262–43–8–11) × [IR8/2 × (Yukara × TN1)].

353815 to 354064—Continued

354064. IV 205. IR1325–B2–229. (Jinheung × IR262–43–8–11) × [IRS/2 × (Yukara × TN1)].

354065. STOKESIA LAEVIS (Hill) Greene Compositae.

From United States. Seed presented by Brookgreen Gardens, Murrells Inlet, South Carolina. Received September 14, 1970.

Perennial, flowers during June and July.

354066. SORBUS SCOPULINA Greene Rosaceae.

From United States. Seed collected 1961 by L. A. Mullen, Regional Plant Introduction Station, Pullman, Wash. Received August 12, 1970.

Along Highway 95, 32 km. north of Coeur d'Alene, Bonner County, Idaho. Gravelly soil, associated with lodgepole pine and quaking aspen.

354067. ACTINIDIA CHINENSIS Planch. Actinidiaceae.

Chinese gooseberry.

From New Zealand. Plants presented by Ducan & Davies Lt., New Plymouth. Received September 15, 1970.

354068 to 354101.

From Yugoslavia. Bulbs and seed collected by T. Dimitrovski, Faculty of Agriculture and Forestry, University of Skopje, under Public Law 480 Project E30–CR–33. Received February 13, 1970.

354068 to 354079. ALLIUM SATIVUM L. Liliaceae. **Garlic.**

354068. 36. 'Esenski'. Autumn form. Bulbs.
354069. 37. 'Esenski'. Autumn form. Bulbs.
354070. 217. 'Esenski'. Autumn form. Bulbs.
354071. 225. 'Div luk'. Wild form. Bulbs.
354072. 233. 'Leskovski esenski'. Autumn form. Bulbs.
354073. 244. 'Ohridski esenski'. Autumn form. Bulbs.
354074. 407. 'Kumanovski'. Spring form. Bulbs.
354075. 426. 'Vojnicki'. Spring form. Bulbs.
354076. 467. 'Ginovski'. Spring form. Bulbs.
354077. 859. 'Debarski'. Autumn form. Bulbs.
354078. 938. 'Struski'. Autumn form. Bulbs.
354079. 1050. 'Esenski'. Autumn form. Bulbs.

354080. ALLIUM sp.

673. 'Veleski'. Wild form.

354081 to 354084. ALLIUM AMPELOPRASUM L. **Leek.**

354081. 55. 'Bel dolg'. Seed.
354082. 265. 'Chridski bel'. Seed.
354083. 443. 'Kumanovski kamus'. Seed.
354084. 631. 'Dolg bel'. Seed.

354085 to 354099. ALLUM CEPA L. **Onion.**

354085. 39. 'Pogacar'. Seed.
354086. 85. 'Arpadzik pogacar'. Seed.
354087. 112. 'Negorski pogacar'. Seed.
354088. 177. 'Kantar topuz'. Seed.

354068 to 354101—Continued

354085 to 354099—Continued

354089. 163. 'Melnik'. Seed.

354090. 258. 'Sidorovski'. Seed.

354091. 259. 'Jabucar'. Seed.

354092. 306. 'Melnik pogacar'. Seed.

354093. 398. 'Bedinski'. Seed.

354094. 466. 'Ginovski'. Pickling form. Seed.

354095. 528. 'Buci nski'. Pickling form. Seed.

354096. 565. 'Prilepski arpadzik'. Seed.

354097. 579. 'Prilepski arslama'. Pickling form. Seed.

354098. 632. 'Leskovacki pogacar'. Seed.

354099. 659. 'Sotirov'. Seed.

354100. ALLIUM SATIVUM L. **Garlic.**

225. 'Div luk'. Wild form. Seed.

354101. ALLIUM sp.

673. 'Veleski'. Wild form. Seed.

354102. × PYRONIA VEITCHII (Trabut) Guillaumin Rosaceae.

From England. Scions presented by Roy Cropley, East Malling Research Station, Maidstone, Kent. Received September 18, 1970.

Indicator for quince sooty ringspot virus. Compatible with both quince and pear rootstocks.

354103 to 354105. SACCHARUM (hybrid) Gramineae. **Sugarcane.**

From Indonesia. Cuttings presented by Balai Penjelidikan Perusahaan Perkebunan Gula, Pasuruan. Received September 22, 1970.

354103. Ps 1.

354104. Ps 6.

354105. Ps 8.

354106 to 354108. VITIS VINIFERA L. Vitaceae. **European grape.**

From Republic of South Africa. Cuttings presented by the Director, Horticultural Research Institute, Pretoria. Received September 23, 1970.

354106. HB–28 N47.

354107. IQ 31.

354108. PQ 7.

354109. TRIGONELLA FOENUM-GRAECUM L. Leguminosae.
Fenugreek.

From Ethiopia. Seed collected in 1964 by R. E. Perdue, Jr., Crops Research Division, Plant Industry Station, Beltsville, Maryland. Received September 2, 1970.

6530. Purchased in market, Jimma.

354110. TRIGONELLA FOENUM-GRAECUM L. Leguminosae.
Fenugreek.

From Spain. Seed collected in 1963 by F. G. Regueral, Instituto Nacional de Investigaciones Agronomicas, Madrid, under Public Law 480 Project E25–CR–11. Received September 2, 1970.

354111 to 354128.

From Philippines. Plants and cuttings collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland for USDA-Longwood Cooperative Program. Received March 6, 1970.

354111. ALLAMANDA CATHARTICA L. Apocynaceae.

793. Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Bush or semi-vine to 3 cm.; flower medium size, bright canary yellow, completely double. Cultivated. Cuttings.

354112. ALOCASIA HETEROPHYLLA Merr. Araceae.

815. Mt. Makiling, Laguna Province. Elevation 914 m. Herb with creeping rhizomes; leaves sagittate to 30 cm. long, velvety, white midrib; petiole mottled with purple. Wild. Plants.

354113 and 354114. ALOCASIA PORTEI (Schott) Engl. & Becc.

354113. 807. Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Said to be native. Herb to 3.7 m.; leaves erect to 91 cm. deeply lobed with basal lobes subdivided into three; stem mottled with purple. Cultivated. Plants.

354114. 808. Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Herb to 3.7 m.; leaves 91 cm. long; deeply lobed with basal lobes subdivided into three; leaf stems light green. Cultivated. Plants.

354115. ALOCASIA sp.

809. Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Herb to 1.2 m.; leaves sagittate, green petioles marked with alternating transverse bands of light and dark green. Cultivated Plants.

354116. BOUGAINVILLEA sp. Nyctaginaceae.

794. Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Lax vine to 4.6 m.; double bracted, pink. Cultivated. Cuttings.

354117. BOUGAINVILLEA sp.

795. Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Lax vine to 4.6 m.; double bracted, orange turning to apricot. Cultivated. Cuttings.

354118. BOUGAINVILLEA sp.

796. Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Lax vine to 4.6 m.; double bracted, reddish purple. Cultivated. Cuttings.

354119. HELICONIA sp. Musaceae.

806. 'Edwardus Rex'. Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Herb to 91 cm., leaves cannalike in two ranks; petiole and veins pink. Cultivated. Plants.

354120. IXORA sp. Rubiaceae.

790. Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Shrub to 1.8 m.; flowers small, in tight umbels, pure light pink. Cultivated. Cuttings.

354121. IXORA sp.

791. Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Shrub to 1.2 m.; flowers medium size in medium size tight umbel, pure canary yellow. Cultivated. Cuttings.

354122. IXORA sp.

792. Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Shrub to 91 cm.; flowers large, in small tight umbels. Golden yellow. Cultivated. Cuttings.

354111 to 354128—Continued

354123. IXORA sp.

818. Cornell Project Housing Unit, College, Laguna. Shrub to 3 m.; leaves large; flowers medium small in large umbels, pale orange. Cultivated. Cuttings.

354124 to 354126. MUSSAENDA (hybrid) Rubiceae.

354124. 799. 'Dona Leonila'. Horticulture Division, Department of Agronomy, University of Philippines. Laguna. Shrub to 1.8 m.; flower subtended by 4 to 5 white bracts with faint pink edge. Cultivated. Cuttings.

354125. 798. 'Dona Luz'. *M. philippica* × *M. erythrophylla.* Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Shrub to 3 m.; flower surrounded by four pink bracts. Cultivated. Cuttings.

354126. 801. 'Queen Sirikit'. Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Shrub to 1.5 m.; flowers subtended by 5 white bracts with red edge. Cultivated. Cuttings.

354127 and 354128. SCHISMATOGLOTTIS CALYPTRATA (Roxb.) Z. & M. Araceae.

354127. 812. Mt. Makiling. Laguna Province. Elevation 914 m. Herb to 91 cm.; leaf long ovate, 23 to 46 cm. long: cordate base, dark green with silvery green band down each side. Wild. Plants.

354128. 813. Mt. Makiling, Laguna Province. Elevation 914 m. Herb to 91 cm.; leaf 23 to 38 cm. long, solid green, ovate, cordate, deeply ribbed. Wild. Plants.

354129 to 354135.

From Indonesia. Plants, cuttings and seedlings collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland for USDA-Longwood Cooperative Program. Received March 6, 1970.

354129. AESCHYANTHUS LONGIFLORUS (Bl.) DC. Gesneriaceae.

826. Mountain Botanic Garden. Tjibodas. Epiphytic vine: flowers long tubular, red. Wild. Cuttings.

354130. AVERRHOA CARAMBOLA L. Oxalidaceae.

838. 'Demak'. Institute for Horticulture Research, Pasarminggn. Java. Fruit large, sweet. Cultivated. Plants.

354131. CLERODENDRON ERIOSIPHON Schau. Verbenaceae.

828. Mountain Botanic Garden, Tjibodas. Shrub to 2.4 m.; flowers small, pale yellow. Wild. Seedlings.

354132. LANSIUM DOMESTICUM Jack Meliaceae.

839. 'Duku'. Botanic Garden, Bogor. Cultivated. Plants.

354133. NEPHELIUM LAPPACEUM L. Sapidaceae.

836. 'Lebakbulus'. Institute for Horticulture Research, Pasarminggu, Java. Fruit 5 by 3.7 cm. red, covered with soft spines, in loose clusters; edible. Cultivated. Plants.

354134. RHODODENDRON JAVANICUM (Blume) Benn. Ericaceae.

823. Shrub to 1.8 m.; leaves whorled. long elliptic to 13 cm. dark green, glabrous; flowers 6.3 cm. diameter in terminal umbel orange with pink throat. stamen and pistil red purple, pollen dark. Cultivated. Plants.

354135. ZINGIBER INFLEXUM Bl. Zingiberaceae.

827. Mountain Botanic Garden, Tjibadas. Terrestrial herb to 91 cm.; inflorescence red, on separate stalk; 7.6 cm. long. Wild. Plants.

354136. Flagellaria sp. Flagellariaceae.

From New Caledonia. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland for USDA-Longwood Cooperative Program. Received March 6, 1970.

2. Along road into farm of M. Lucien La Vois, Mt. Koghis area, near Noumea. Elevation 213 m. Multiple stemmed, distichous-leaved herb. Seed bright red. Wild.

354137. Canna sp. Cannaceae.

From United States. Plant presented 1964 to United States Plant Introduction Station, Glenn Dale, Maryland by J. W. Donahue, Gainesville, Florida. Received September 15, 1970.

'King of Siam'. Open leaves with many pure white veins and white border. Flowers light yellow, with broad pure white streak down each staminoid.

354138 to 354149.

From Australia. Seed presented by Commonwealth Scientific and Industrial Research Organization, Division of Plant Industry, Canberra. Received September 2, 1970.

354138. Brachiaria ruziziensis Germain & Evrard Gramineae.

C.P.I. 26964.

354139 to 354146. Panicum coloratum L. Gramineae. **Panicgrass.**

354139. C.P.I. 13371.
354140. C.P.I. 14373.
354141. C.P.I. 16325.
354142. C.P.I. 16668.
354143. C.P.I. 16788.
354144. C.P.I. 16789.
354145. C.P.I. 16790.
354146. C.P.I. 17077.

354147 to 354149. Panicum maximum Jacq. Gramineae. **Guineagrass.**

354147. Cq 383.
354148. 33122.
354149. 33124.

354150. Zea mays L. Gramineae. Corn.

From Mexico. Seed presented by Elmer C. Johnson, Centro Internacional de Mejoramiento de Maiz y Trigo, Mexico, D.F. Received September 18, 1970.

P.R. 70A. Male sterile cytoplasm isolated from the race Salvadoreño, collected in El Salvador.

354151. Briza spicata Sibth. & Sm. Gramineae.

From Union of Soviet Socialist Republics. Seed presented by Hortus Botanicus Principalis, Academiae Scientiarum, Moscow. Received September 16, 1970.

Novorossiysk district.

354152. Phytolacca dodecandra l'Her. Phytolaccaceae.

From Ethiopia. Fruit collected by Gelahoun Abate, Addis Ababa. Received June 6, 1970.

M–3379. Local name Shenna. Young fruit.

354153. Gossypium hirsutum L. Malvaceae. Upland cotton.

From Venezuela. Seed presented by Algodonera Guarico, Caracas. Received September 28, 1970.

'Central Registrada'.

354154 to 354428.

From New Guinea. Plant material collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland for USDA–Longwood Cooperative Program. Received March 7, 1970.

354154. AESCHYNANTHUS LEPTOCLADA C. B. Clarke Gesneriaceae.

65. Helicopter pad area, Mt. Kaindi. Elevation 1,830 m. Epiphytic, dark green leaves. Wild. Plants.

354155. AESCHYNANTHUS sp.

393. Hillside below Oregenang Village. Elevation 1,311 m. Climbing vine; half woody stems dark purple; leaves oblong to 5 cm. Wild. Cuttings.

354156. AESCHYNANTHUS sp.

750. Itikinumu Hill, near Sirunumu Village, Ogotama. Vine with ovate-elliptical leaves; flowers 6 cm. long, pale red. Wild. Cuttings.

354157. AGLAONEMA MARANTIFOLIUM Blume Araceae.

466. Division of Botany, Botanic Garden, Lae. Originally from Malaya. Leaf long obovate to 30 cm. long, petiole sheathing for almost entire length; cataphylls subtending each inflorescence; spadix not sessile, as long or longer than spathe; spathe ovate; fruit 1.5 cm., white. Cultivated. Plants.

354158. AGLAONEMA sp. Araceae.

468. Division of Botany, Botanic Garden, Lae. Herbaceous; creeping stem; leaves to 20 cm., ovate, yellow-green spotted irregularly with white. Cultivated. Plants.

354159. AGLAONEMA sp.

668. Korn Farm Nursery, Department of Forests, Mt. Hagen. Elevation 1,676 m. Terrestrial herb to 31 cm.; sagittate leaves green with paler irregular marking along midrib; inflorescence 10 cm. tall, spathe green. Wild. Plants.

354160. ALOCASIA CUCULLATA (Pers.) Schott. Araceae.

460. Division of Botany, Botanic Garden, Lae. Terrestrial herb with solid stem to 15 cm.; leaves cordate, acuminate, entire, to 13 cm. long; yellow-green with dark green veins. Cultivated. Plants.

354161. ALOCASIA sp.

206. Hill above Aiyura on road to Arona. Elevation 1,640 m. Herb to 76 cm. tall; leaf 31 cm. by 20 cm., sagittate, erect; flower stalk 15 cm.; spathe 10 cm. long, red. Wild. Plants.

354162. ALOCASIA sp.

741. Department of Forests, Brown River. Herb to 1.2 m.; leaf large, sagittate, glossy dark green marked with yellow spots. Wild. Plants.

354163. ALPINIA sp. Zingiberaceae.

34. Mt. Kaindi, near telephone repeater station. Elevation 2,130 m. Terrestrial, sometimes epiphytic; herbaceous. Local name Golgol or Gorgor. Wild. Seed.

354164. ALPINIA sp.

41. Mt. Kaindi, moss forest near telephone repeater station. Elevation 2,130 m. Dwarf plants, epiphytic or terrestrial. Wild. Plants.

354165. ALPINIA sp.

153. Patep 2 Village. Plant to 1.2 m.; leaves short petioled, ribbed. Wild. Plants.

354166. ALPINIA sp.

204. Near summit Kassam Pass. Terrestrial herb. Wild. Rhizomes.

354154 to 354428—Continued

354167. ALPINIA sp.

212. Along road, Aiyura to Arona. Elevation 1,640 m. Terrestrial herb from rhizome. Inflorescence terminal, flower white. Wild. Plants.

354168. ALPINIA sp.

337. Ridge above Oregenang Village. Epiphytic herb; stem to 1.2 m.; leaves ovate, acute to 13 cm.; sheathing petioles scurfy; fruit yellow; aril red. Wild. Plants.

354169. ALPINIA sp.

355. Hill below Oregenang Village. Elevation 1,311 m. Large terrestrial herb to 1.8 m.; inflorescence terminal; leaf long oblong to 36 cm.; fruit yellow. Wild. Plants.

354170. ALPINIA sp.

406. Trail Oregenang to Mindik. Elevation 1,433 m. Epiphytic herb; stems to 1.8 m. long; inflorescence branched terminal; fruit to 2.5 cm., orange. Wild. Plants.

354171. ALPINIA sp.

513. Daulo Pass, along Goroka to Kundiawa road. Elevation 2,438 m. Small terrestrial herb to 61 cm.; flowers white, calyx orange, fruit red to 1.2 cm. Wild. Plants.

354172. ALPINIA sp.

746. Department of Forests, Brown River. Herb to 91 cm.; plaited leaves. Wild. Plants.

354173. AMOMUM ACULEATUM Roxb. Zingiberaceae.

176. Path to Patep 2 Village. Tall ginger, 2.4 m., with inflorescence on separate rhizome. Flowers green or greenish white; fruit 2 to 5 cm. diameter, green, spiny, in clusters of twenty. Wild. Plants.

354174. AMORPHOPHALLUS CAMPANULATUS (Roxb.) Blume Araceae.

101. Forest nursery at Pine Top, near Bulolo. Herbaceous; single leaf palmately lobed to 2 m.; seed stalk separate from underground to 61 cm. Wild. Seed.

354175. ANANAS COMOSU (L.) Merr. Bromeliaceae. **Pineapple.**

432. Experiment Station, Department of Agriculture Stock and Fisheries, Bubia (near Lae). Fruit said to weigh 3.6 kg. Unnamed seedling developed at this station. Cultivated. Plants.

354176. ASTELIA PAPUANA Skottsb. Liliaceae.

588. Australian National University Research Station, Mt. Wilhelm. Elevation 3,600 m. Dwarf herb in alpine bog. Strap leaves to 8 cm.; inflorescence a branched scape; fruit a red berry, 1 cm. long. Wild. Seeds.

354177. ATALANTIA sp. Rutaceae.

764. Department of Forests, Brown River. Slender shrub to 1.2 m.; leaves to 4 cm. long, ovate, margin crenulate on terminal two-thirds; fruit to 2.5 cm. long, bright red, slightly obovoid. Wild. Plants.

354178. BEGONIA sp. Begoniaceae.

20. Namie Creek, on road Wau to Edie Creek. Elevation 1,220 m. Terrestrial herb in wet area along creek; flowers pink. Wild. Seed.

354179. BEGONIA sp.

226. Kassam Pass. Terrestrial herb, flowers pink. Wild. Cuttings.

354180. BEGONIA sp.

373. Hillside below Oregenang Village. Elevation 1,311 m. Terrestrial herb in rain forest. Plant entirely red except upper surface of leaf red green; flowers pink. Wild. Cuttings.

354154 to 354428—Continued

354181. BEGONIA sp.

402. Trail Oregenang to Mindik. Elevation 1,220 m. Climbing begonia with pink flowers. Wild. Seed.

354182. BEGONIA sp.

454. Division of Botany, Botanic Garden, Lae. Originally from Sepik area. Terrestrial herb to 38 cm.; stems and undersurface of leaves red; leaves obliquely ovate to 13 cm., red between veins. Cultivated. Cuttings.

354183. BEGONIA sp.

533. Ekuam. Pink stems and petioles, leaves green, flower pink. Wild. Seed.

354184. BEGONIA sp.

697. Bird of Paradise Sanctuary, Baiyer River. Terrestrial herb to 76 cm.; stems and leaves reddish. Wild. Cuttings.

354185. CALYCACANTHUS sp. Acanthaceae.

305. Kassam Pass. Shrub to 3 m.; flowers along branches, light red. Wild. Cuttings.

354186. CALYCACANTHUS sp.

394. Kevananga Ridge opposite Oregenang Village. Elevation 1,220 m. Shrub to 3 m.; flowers clustered at nodes just below the foliage; flowers to 4 cm., pink, corolla light red 1.3 cm. long. Wild. Cuttings.

354187. CITRUS sp. Rutaceae.

551. Kundiawa. Said to produce large, lemon-shaped, sour, orange-colored fruits; roots from cuttings; used for rootstock. Cultivated. Seedlings.

354188. CITRUS sp.

747. Department of Forests, Brown River. Tree to 4.6 m.; leaves lanceolate to 11 cm. long to 5 cm. wide, deeply to shallowly emarginate, usually acute; margins usually crenulate for two-thirds of apical portion; spines 2 mm.; petiole to 1.3 cm., some channeled above, others with 3 cm. wings. Wild. Cuttings.

354189 and 354190. COLEUS BLUMEI Benth. Labiatae.

354189. 717. Korn Farm Nursery, Department of Forests, Mt. Hagen. Herb to 76 cm.; foliage yellow or yellow green with petiole and leaf base edged purple brown. Cultivated. Cuttings.

354190. 718. Korn Farm Nursery, Department of Forests, Mt. Hagen. Herb to 91 cm., vigorous; leaves large, purple below, reddish and yellow green above, margin incised and partially inflexed. Cultivated. Cuttings.

354191. COLOCASIA sp. Araceae.

479. Garden of F. O. Purnell, Lae. Plant originally from Siassi (between Lae and Finschhafen). Herb to 3 m.; leaves 91 cm., erect, sagittate, green variegated with yellow; petiole red at base. Cultivated. Plants.

354192. MURDANNIA NUDIFLORA (L.) Brenan Commelinaceae.

774. Rouna Falls, about 40 km. from Port Moresby on Sogeri Road. Herb growing on rock faces; leaves strap shaped to 15 cm. long, reddish; 30 cm. scapes from base with pale purple flowers. Wild. Plants.

354193. CRINUM sp. Amaryllidaceae.

455. Division of Botany, Botanic Garden, Lae. Terrestrial bulbous plant with long strap leaves, striped with white. Wild. Plants.

354194. CRINUM sp.

673. Korn Farm Nursery, Department of Forests, Mt. Hagen. Elevation 1,676 m. Terrestrial bulbous plant to 91 cm.; flowers white. Cultivated. Plants.

354154 to 354428—Continued

354195. CURCUMA LONGA L. **Zingiberaceae.**

120. Hill above Patep #2 Village. Elevation 792 m. Terrestrial, forming clumps from underground rhizomes; lavender flowers. Wild. Plants.

354196. CURCUMA sp.

307. Eight km. from Kassam Pass along road to Lae. Terrestrial herb-thickened rhizomes dark yellow throughout. Wild. Plants.

354197. CYRTANDRA sp. **Gesneriaceae.**

24. Namie Creek, on road Wau to Edie Creek. Elevation 1,200 m. Terrestrial growing on steep road bank. Wild. Seed.

354198. CYRTANDRA sp.

351. Steep hill below Oregenang Village. Elevation 1,372 m. Terrestrial herb to 61 cm.; flowers tubular, 5 cm. along older stem, pale beet red. Wild. Cuttings.

354199. CYRTOSPERMA JOHNSTONII N. E. Br. **Araceae.**

173. Patep #2 Village. Damp ravine. Terrestrial to 61 cm.; edge of leaf and petiole spiny. Wild. Plants.

354200. DACRYCARPUS IMBRICATUS var. ROBUSTA de Laubenfels Podocarpaceae.

343. Ridge above Oregenang Village. Elevation 1,524 m. Juvenile plants from rain forest; foilage resembles bald cypress. Wild. Seedlings.

354201. DACRYDIUM sp. Podocarpaceae.

531. Ekuam. Elevation 2,438 m. Tree with fine foliage, somewhat resembling bald cypress. Wild. Cuttings.

354202. DIANELLA ENSIFOLIA (L.) Red. Liliaceae.

217. Hill above Aiyura. Terrestrial herb; flowers said to be blue. Wild. Plants.

354203. DIANELLA sp.

58. Helicopter pad area. Mt. Kaindi. Elevation 1,829 m. Terrestrial, grassy plant; flowers in terminal spike, bright purple. Wild. Plants.

354204. DIANELLA sp.

458. Division of Botany, Botanic Garden, Lae. Terrestrial herb to 45 cm.; leaves distichous, forming fans, strap shaped, longitudinally striped with yellow green; flowers blue. Cultivated. Plants.

354205. DIANELLA sp.

770. Department of Forests, Brown River. Herb to 61 cm.; leaves distichous, strap shaped, to 30 cm.; flowers pale violet, fruit bright purple. Wild. Seed.

354206. DIMORPHANTHERA BRASSII Sleum. Ericaceae.

45. Along road Wau to Edie Creek. Elevation 2,073 m. Scrambling woody vine. Wild. Seed.

354207. DIMORPHANTHERA MOORHOUSIANA F. Muell.

86. Meri Creek, on gold mine tailings. Lax woody vine; flowers many, waxy, pale pink, bell shaped to 2.5 cm. Wild. Cuttings.

354208. DIMORPHANTHERA sp.

335. Ridge above Oregenang Village. Scrambling vine; glossy green leaves to 15 cm.; flowers clustered at nodes, waxy, light red shaded white at apex to 3 cm. long. Wild. Seed.

354209. DIMORPHANTHERA sp.

364. Valley behind Oregenang Village. Elevation 1,189 m. Woody climber. Wild. Cuttings.

354154 to 354428—Continued

354210. DIMORPHANTHERA sp.

527. Ekuam, 61 km. southwest of Kundiawa, Guimine District. Elevation 2,500 m. Scrambling woody vine; leaves 6 cm. long; flowers 2.5 cm. long, tubular, dark red, waxy. Wild. Cuttings.

354211. DIMORPHANTHERA sp.

607. Across Lake Aunde from Australian National University Research Station, Mt. Wilhelm. Scrambling vine to 3.6 m.; flowers, red, tubular to 5 cm. long, pubescent; fruit short cylindrical berry, 1 cm. long. Wild. Seed.

354212. DIMORPHANTHERA sp.

615. At head of Lake Onda, Mt. Wilhelm, on granite talus slope. Elevation 2,660 m. Scrambling vine to 3.6 m.; leaves lanceolate to 6 cm.; flowers borne toward tips of branches, tubular to 5 cm., dark red, waxy; fruit short cylindric. Wild. Cuttings.

354213. DISCHIDIA RAFFLESIANA Wall. Asclepiadaceae.

749. Lukins Rubber Estate near Sogeri. Vine climbing over tree; leaves pouchlike, inflated. Wild. Plants.

354214. DISCHIDIA sp.

152. Hill above Patep 2 Village. Epiphytic vine; opposite, ovate leaves, new and old leaves red. Wild. Cuttings.

354215. DISCHIDIA sp.

154. Patep 2 Village. Epiphytic vine; milky latex; leaves opposite, elliptic, 5 cm. long. Wild. Cuttings.

354216. DISHIDIA sp.

754. Itikinumu Hill, near Sirunumu Village, Ogotama. Delicate vine, climbing by stem roots. Wild. Cuttings.

354217. DISCHIDIA sp.

771. Department of Forests, Brown River. Climbing epiphyte; leaves fleshy, ovate elliptic, prominently veined, to 5 cm. long. Wild. Cuttings.

354218. HETEROCENTRON SUBTRIPLINERVIUM (L. & O.) A. Br. & Bouché Melastomataceae.

223. Aiyura, Garden of Ron Cairne, Aiyura Agricultural Experiment Station, Department of Agriculture Stock and Fisheries. Subshrub, flowers lavender pink. Wild. Cuttings.

354219. DRIMYS sp. Magnoliaceae.

49. Helicopter pad area, Mt. Kaindi. Elevation 1,830 m. Woody shrub to 2.1 m.; fruit small, blackish. Wild. Seed.

354220. EPIPREMNUM sp. Araceae.

780. Sheedy's Nurseries, Port Moresby. Climbing vine with silvery markings on leaves. Originally from Sogeri area. Cultivated. Cuttings.

354221. FICUS DAMMAROPIS Diels Moraceae.

300. Near Aiyura on Kainantu Road. Trees to 9.4 m.; large corrugated leaves; fruit axillary toward tips of branches, 10 to 12 cm. diameter. Wild. Cuttings.

354222. GAULTHERIA sp. Ericaceae.

587. Australian National University Research Station, Mt. Wilhelm. Elevation 3,597 m. Shrub to 61 cm.; leaves alternate, ovate, 1.7 cm. long, serrate; flowers axillary at apex of branchlet, globe shaped, white 0.5 cm. long; fruit white or pink surrounded by 5 fleshy calyx lobes. Wild. Seed.

354223. HEDYCHIUM FLAVUM Roxb. Zingiberaceae.

478. Garden of F. O. Purnell, Lae. Originally from Karkar Island. Terrestrial herb to 1.5 m.; flowers clear yellow. Cultivated. Plants.

354154 to 354428—Continued

354224. HIBISCUS MUTABILIS L. Malvaceae.

671. Korn Farm Nursery, Department of Forests, Mt. Hagen. Elevation 1,676 m. Shrub to 3 m.; flowers double, pure white. Cultivated. Cuttings.

354225. HIBISCUS SABDARIFFA L. **Roselle.**

107. Wau Hotel garden, Wau. Herbaceous, to 19 m.; leaves, stems and petioles intense red. Cultivated. Cuttings.

354226. HIBISCUS sp.

769. Department of Forests, Brown River. Lax shrub. Wild. Seed.

354227. HOLOCHLAMYS BECCARII Engl. Araceae.

389. Hillside below Oregenang Village. Elevation 1,189 m. Terrestrial herb to 91 cm.; inflorescence on short stem to 30 cm.; spathe white. Wild. Plants.

354228. HOLOCHLAMYS ORATA van Alerw. van Ros.

467. Division of Botany, Botanic Garden, Lae. Herb to 38 cm. leaves spatulate to 31 cm., recurved, dark green margin, irregular central marking along yellow-green midrib, sheath of petiole scarious. Cultivated. Plants.

354229. HOMALOMENA sp. Araceae.

123. Hill above Patep 2 Village. Low-growing herb. Dark green leaf with irregular light green area long midrib; rhizome creeping. Wild. Plants.

354230. HOMALOMENA sp.

228. Kassam Pass. Terrestrial herb 38 cm.; cordate leaves deeply veined to 13 cm.; inflorescences several in terminal axils; spathe green, spadix white. Wild. Plants.

354231. HOMALOMENA sp.

375. Hillside below Oregenang Village. Elevation 1,189 m. Low-growing, green-leaved terrestrial herb; leaves to 15 cm. by 8 cm.; flowers whitish. Wild. Plants.

354232. HORNSTEDTIA sp. Zingiberaceae.

218. Wooded hilltop above Aiyura. Terrestrial herb; flower stalks separate from leafy culms, to 31 cm.; flowers red. Wild. Plants.

354233. HOYA sp. Asclepiadaceae.

103. Wau Gorge near Bulolo. Vine over hanging rock cut. Wild. Cuttings.

354234. HOYA sp.

129. Hills above Patep 2 Village. Vigorous climbing vine, new leaves softly pubescent, old leaves rough; flowers 2.5 cm. wide, glabrous, red. Wild. Cuttings.

354235. HOYA. sp.

131. Gills above Patep 2 Village. Epiphytic vine. Wild. Cuttings.

354236. HOYA sp.

145. Patep 2 Village. Large, velvety leaves; flowers said to be fragrant. Wild. Cuttings.

354237. HOYA sp.

149. Patep 2 Village. Epiphytic vine with pubescent leaves 13 cm. long; flowers said to be white with red centers, fragrant. Wild. Cuttings.

354238. HOYA sp.

238. Kassam Pass. Herbaceous climber; leaves lanceolate. Wild. Cuttings.

354154 to 354428—Continued

354239. Hoya sp.

365. Valley behind Oregenang Village. Elevation 1,190 m. Climbing semiwoody vine with lanceolate-deltoid, reddish leaves to 8 cm. long. Wild. Cuttings.

354240. Hoya sp.

367. Steep hill below Oregenang Village. Elevation 1,190 m. Semiwoody climber; oblong leaves to 10 cm.; flowers to 3 cm. diameter, in axillary 6-flowered umbel, glossy purple red on upper surface. Wild. Cuttings.

354241. Hoya sp.

368. Steep hillside below Oregenang Village. Elevation 1,190 m. Semiwoody climbing vine. Probably same as P.I. 354240. Wild. Cuttings.

354242. Hoya sp.

474. Division of Botany, Botanic Garden, Lae. Semiwoody vine with opposite ovate leaves 6 cm. long, set at right angle to petiole; flower opens flat, 3 cm. diameter, yellow. Cultivated. Cuttings.

354243. Hoya sp.

659. Mt. Kum, 19 km. south of Mt. Hagen. Elevation 2,740 m. Slender epiphytic vine; leaves lanceolate to 6 cm. long; flowers in umbels, red purple, 1 cm. Wild. Cuttings.

354244. Hoya sp.

748. Lukins Rubber Estate near Sogeri. Twining vine with large leaves, said to have white flowers. Cultivated. Cuttings.

354245. Hoya sp.

751. Itikinumu Hill near Sirunumu Village, Ogotama. Twining vine; leaves elliptic to oblong, to 8 cm. Wild. Cuttings.

354246. Hoya sp.

752. Itikinumu Hill near Sirunumu Village, Ogotama. Twining vine; leaves elliptic to oblong, to 8 cm. Wild. Cuttings.

354247. Hoya sp.

753. Itikinumu Hill near Sirunumu Village, Ogotama. Twining vine; leaves elliptic to 6 cm., green. Wild. Cuttings.

354248. Hydnophytum sp. Rubiaceae.

118. Botanic Garden, Lae. Epiphytic shrub; several branches from a hard, hollow, tuberous base. Base often harbors ants. Wild. Plants.

354249. Hydnophytum sp.

240. Kassam Pass. Epiphytic subshrub, growing from green, woody tuber. Wild.

354250. Hydnophytum sp.

304. Ramu River, Lae to Kainantu Road. Epiphytic shrub with basal tuber. Wild. Plants.

354251 to 354253. Impatiens hawkeri W. Bull. Balsaminaceae. Snapweed.

354251. 18. Namie Creek on road Wau to Edie Creek. Elevation 1,220 m. Herbaceous; flowers pink. Wild. Seed.

354252. 18. Namie Creek on road Wau to Edie Creek. Elevation 1,220 m. Herbaceous; flowers rose. Wild. Cuttings.

354253. 19. Namie Creek on road Wau to Edie Creek. Elevation 1,220 m. Herbaceous, probably identical with P.I. 354252 except flowers white. Grows along wet streambank. Wild. Seed.

354154 to 354428—Continued

354254. IMPATIENS sp.

647. Road Kundiawa, Mt. Hagen. Forest Nursery. Herb with green leaves and large dark-salmon flowers. Wild. Seed.

354255. IMPATIENS sp.

667. Along road to Mt. Kum from Mt. Hagen. Elevation 1,829 m. Terrestrial herb; stems and leaves reddish; flowers orange red. Wild. Cuttings.

354256. IMPATIENS sp.

676. Korn Farm Nursery, Department of Forests, Mt. Hagen. Widely planted along roadsides and in villages. Terrestrial herb; leaves and stems red; flower dark orange red. Cultivated. Cuttings.

354257. IMPATIENS sp.

676–A. Korn Farm Nursery, Department of Forests, Mt. Hagen. Widely planted along roadsides and in villages. Terrestrial herb; leaves and stems dark red; leaves 5 cm. long, oblong, acute, undersurface bullate. Cultivated. Cuttings.

354258. IMPATIENS sp.

677. Korn Farm Nursery, Department of Forests, Mt. Hagen. Widely planted along roadsides and in villages. Stem pink; leaves green variegated yellow along red midvein; flowers bright orange red. Cultivated. Cuttings.

354259. IMPATIENS sp.

678. Korn Farm Nursery, Department of Forests, Mt. Hagen. Stems red, leaf green; large, bright red flower. Cultivated. Cuttings.

354260. IMPATIENS sp.

680. Korn Farm Nursery, Department of Forests, Mt. Hagen. Red leaves and stems; large salmon-pink flowers. Cultivated. Cuttings.

354261. IMPATIENS sp.

682. Korn Farm Nursery, Department of Forests, Mt. Hagen. Stems pink; leaves broad, variegated with yellow and pink; flower salmon-pink. Cultivated. Cuttings.

354262. IMPATIENS sp.

684. Korn Farm Nursery, Department of Forests, Mt. Hagen. Stem and leaf dark red, narrow yellow stripe along midrib; large salmon-pink flowers. Cultivated. Cuttings.

354263. IMPATIENS sp.

685. Korn Farm Nursery, Department of Forests, Mt. Hagen. Stem and leaf medium red; leaf slightly elongated; flower light pink. Cultivated. Cuttings.

354264. IMPATIENS sp.

719. Korn Farm Nursery, Department of Forests, Mt. Hagen. Herb to 50 cm.; stem and petiole red; leaf green, variegated with yellow and red; flowers 5 cm. across, bright salmon-pink. Cultivated. Cuttings.

354265. IMPATIENS sp.

720. Korn Farm Nursery, Department of Forests, Mt. Hagen. Herb to 61 cm. Stems and petioles red; leaves reddish green above, red purple below; flower 7 cm. diameter, light salmon-pink. Cultivated. Cuttings.

354266. IMPATIENS sp.

723. Road, Kindeng Forest Nursery to Mt. Hagen. Herb to 61 cm.; stems pink; leaves strap shaped, green variegated with yellow and red. Cultivated. Cuttings.

354154 to 354428—Continued

354267. IMPATIENS sp.

724. Road, Kindeng Forest Nursery to Mt. Hagen. Herb to 61 cm.; leaves strap shaped, green variegated with yellow and red; flowers pale salmon. Cultivated. Cuttings.

354268. LASIA ACULEATA Lour. Araceae.

471. Division of Botany, Botanic Garden, Lae. Aquatic herb to 1 m.; leaf to 31 cm. long, green, sagittate, deeply lobed spiny on under surface, petiole spiny. Cultivated. Plants.

354269. LASIANTHUS sp. Rubiaceae.

755. Itikinumu Hill near Sirunumu Village, Ogotama. Prostrate creeper. Wild. Cuttings.

354270. LYCIANTHES sp. Solanaceae.

340. Ridge above Oregenang Village. Elevation 1,524 m. Terrestrial subshrub; fruit 2 cm. long, red. Wild. Seed.

354271. MUSA MACLAYI F. Muell. Musaceae.

142. Patep #2 Village. Tall, green-leaved banana; fruit spike upright; many close spaced angular, blunt, many seeded fruits 8 cm. long. Wild. Seed.

354272. MUSSAENDA SCRATCHYLEYI Wernh. Rubiaceae.

26. Roadside between Wau and Edie Creek. Elevation 1,524 m. Woody creeper; bracts white; flowers cream. Wild. Seed.

354273. NEPENTHES MIRABILIS (Lour.) Druce Nepenthaceae.

17. Below Beenleigh Peak, 12.8 km. from Wau. Elevation 1,463. Lax scrambler in scrub vegetation: pitcher lid marked with red. Wild. Seed.

354274. PAPUACEDRUS PAPUANA (F. Muell.) Li Cupressaceae.

690. Korn Farm Nursery, Department of Forests, Mt. Hagen. Elevation 1,675 m. Tree to 9 m. Wild. Seed.

354275. PARSONSIA LATA Markgraf Apocynaceae.

16. Rockpile along road, 6.4 km. from Bulolo to Wau. Vine with large velvety leaves and green fruits; milky latex. Wild. Cuttings.

354276. PENNISETUM sp. Gramineae.

688. Sunken garden, Mt. Hagen. Cane type grass to 2 m.; foliage red. Cultivated. Cuttings.

354277. PHRYNIUM sp. Marantaceae.

144. Patep #2 Village. Terrestrial plant to 91 cm.; leaves green; lower petiole sheathing, reddish. Wild. Plants.

354278. PIPER sp. Piperaceae.

492. Oomsis Forestry Station, 32 km. from Lae toward Bulolo. High climbing vine: side branches fruiting. Wild. Cuttings.

354279. PLUMERIA ACUTIFOLIA Poir. Apocynaceae.

451. Garden of Andree Millar, Lae. Small tree; flowers white with star-shaped yellow throat. Cultivated. Cuttings.

354280. PLUMERIA OBTUSA L.

450. Garden of Andree Millar, Lae. Tree 6 m.; leaves dark green, evergreen; white flowers in large clusters. Cultivated. Cuttings.

354281 to 354285. PLUMERIA RUBRA L.

354281. 445. Division of Botany, Botanic Garden, Lae. Tree to 6 m.; light reddish flowers 6 cm. diameter in terminal clusters fading to blotched rose with yellow at base of petal. Cultivated. Cuttings.

354154 to 354428—Continued

354281 to 354285—Continued

354282. 446. Division of Botany, Botanic Garden, Lae. Tree to 5 m.; flowers 6 cm. diameter in terminal clusters dark red, fading slightly on outer edge of petal, center marked with orange, reverse dark red on outer 1 cm. Cultivated. Cuttings.

354283. 447. Tree to 5 m.; flowers 6 cm. diameter, pure yellow, fading slightly on rolled edges. Cultivated. Cuttings.

354284. 448. Tree to 5 m.; flowers 7 cm. diameter, in terminal clusters, petals pale rose, shading white in center yellow throat. Cultivated. Cuttings.

354285. 449. Division of Botany, Botanic Garden, Lae. Tree to 6 m.; leaves broader than in other varieties; flowers 8 cm. diameter in terminal clusters, pale rose, white and dark pink, with orange-red center; red stripe on petal reverse. Cultivated. Cuttings.

354286. PODOCARPUS COMPACTUS Wassch. Podocarpaceae.

618. 'Umba'. Hill northeast of Australian National University Research Station, Mt. Wilhelm. Tree to 16 m.; leaves scalelike 3 mm. long, forming well rounded branchlets; fruits terminal, dark purple, 1 cm. long. Wild. Cuttings.

354287. PODOCARPUS sp.

619. 'Bauwa'. Hill to northeast of Australian National University Research Station, Mt. Wilhelm. Tree to 3 m.; leaves 2 cm. long by 6 mm. wide; symmetrically spaced around branches, fruit 2.5 cm. long, red, fleshy. Wild. Cuttings.

354288. POIKILOGYNE sp. Melastomataceae.

46. Along road below telephone repeater station, Mt. Kaindi. Elevation 2,065 m. Sprawling, woody shrub, somewhat climbing; leaves brownish, purple pedicels and calyces. Wild. Seeds.

354289. POLYSCIAS sp. Araliaceae.

462. Division of Botany, Botanic Garden, Lae. Shrub to 2 m.; leaf pale green, entire, orbicular, cordate base, truncate apex, serrate. Cultivated. Plants.

354290. PITTOSPORUM sp. Pittosporaceae.

705. Tomba Road, Mt. Hagen to Wabag, edge of forest. Elevation 2,286 m. Lax shrub to 91 cm.; leaves oblanceolate purplish green when exposed to sun. Wild. Cuttings.

354291. RAPHIDOPHORA sp. Araceae.

295. Kassam Pass. Climbing aroid eventually with large leaves. Wild. Plants.

354292 to 354295. RHODODENDRON AURIGERANUM Sleum. Ericaceae.

354292. 13. Beenleigh Peak, 12.9 km. from Wau. Elevation 1,463 m. Terrestrial, woody shrub to 2 m.; flowers bright orange, 5 cm. long. Wild. Seed.

354293. 13. Beenleigh Peak. 12.9 km. from Wau. Elevation 1.463 m. Terrestrial, woody shrub to 2 m.; flowers bright orange, 5 cm. long. Wild. Cuttings.

354294. 14. Compartment No. 2, Beenleigh Creek. Elevation 1,189 m. Terrestrial, woody shrub to 2 m.; flowers pure yellow to pale orange. Wild. Cuttings.

354295. 104. Mumeng, near river. Terrestrial shrub; large orange flowers. Wild. Cuttings.

354154 to 354428—Continued

354296. RHODODENDRON BEYERINCKIANUM Koord.

610. Across Lake Aunde from Australian National University Research Station, Mt. Wilhelm. Shrub to 61 cm.; twigs scurfy; young twigs and leaves densely brown scaled; mature leaves 2.5 cm. long, gray on upper surface; flower tube curved 2.5 cm.; light red within, densely yellow scaled without. Wild. Seed.

354297. RHODODENDRON CHRISTI Foerster.

524. Ekuam, 61 km. southwest of Kundiawa, Gumine Subdistrict, Chimbu District. Elevation 2,500 m. Epiphytic or terrestrial, slender shrub to 91 cm.; inflorescence terminal, 5 to 8 flowers; tube 5 cm. yellow at base, limb 5 cm. expansion, orange red to bright red. Wild. Cuttings.

354298 to 354300. RHODODENDRON COMMONAE Foerster.

354298. 577. East of Lake Aundo, Mt. Wilhelm. Leaf coriaceous, scabrous, oblong to obovate, 4 cm.; shrub to 1.2 m., few flowers in terminal inflorescence; tube curved to 5 cm. long, red, exterior covered with whitish scales. Wild. Cuttings.

354299. 578. Shrub to 2 m.; leaves coriaceous, to 2.5 cm.; inflorescence 2 to 3 flowered; flower tube slightly curved 3.8 cm. long; limb expansion 2.5 cm., dark red, exterior covered with whitish scales. Wild. Cuttings.

354300. 599. Australian National University Research Station, Mt. Wilhelm. Elevation 3,597 m. Shrub; leaves mostly alternate, some in whorls, 4 cm. long, ovate, obtuse; flowers 4 cm. long, red, 3 to 5 in terminal umbel; white scales on exterior of curved tube. Wild. Cuttings.

354301 to 354303. RHODODENDRON CULMINICOLUM F. Muell.

354301. 573. Australian National Unversity Research Station, Mt. Wilhelm. Slope opposite guesthouse, lower end of Lake Aunde. Slender shrub to 1.8 m.; leaves short petioled, ovate to 7.6 cm.; flowers in terminal clusters of about five, tube 5 cm. long, limb 3 cm. expansion, dark red; very few scales. Wild. Cuttings.

354302. 600. Australian National University Research Station, Mt. Wilhelm. Elevation 3,597 m. Exceptionally dark red, floriferous clone. Wild. Seed.

354303. 601. Australian National University Research Station, Mt. Wilhelm. Elevation 3,597 m. Dark red flowers. Wild. Seed.

354304 and 354305. RHODODENDRON DIELSIANUM Schltr.

354304. 500. Along road, Goroka to Kundiawa. Shrub to 91 cm.; leaves to 6 cm., pale brown below; flowers borne singly or paired, tube curved, limb 1.2 cm., light pink. Wild. Cuttings.

354305. 522. Kinbero, near Watabung Station, along road, Goroka to Kundiawa. Small tree to 4 cm.; leaves to 6 cm.; flowers 4 cm. tubular, curved, pink; filaments red. Wild.

354306. RHODODENDRON GAULTHERIIFOLIUM J. J. Smith

614. At head of Lake Aunde, on granite talus. Elevation 3,658 m. Dense shrub to 91 cm.; leaves evenly spaced along branches, ovate, 1 cm.; flowers 2 to 3 terminally, dark purple red, slightly curved 1.75 cm. long, densely brown scaled without. Wild. Seed.

354307 and 354308. RHODODENDRON GRACILENTUM F. Muell.

354307. 76. Edie Creek, gold mine tailings. Elevation 1,524 m. Terrestrial shrub; minute leaves; rose pink flowers to 2.5 cm. Wild. Seed.

354308. 82. Meri Creek. Elevation 1,372. Terrestrial shrub, dwarf; leaves minute; flower 2.5 cm. long, limb expansion 1.3 cm. Wild. Cuttings.

354154 to 354428—Continued

354309 to 354313. RHODODENDRON HERZOGII Warb.

354309. 83. Meri Creek area. Terrestrial shrub, erect; flowers long tubular, scented, white. Limb expansion greater than ordinary. Wild. Cuttings.

354310. 555. Sugi, Sinasina Census Division. Shrub to 1.5 m.; white flowered. Wild. Cuttings.

354311. 702. Tomba, along Mt. Hagen to Wabag Road. Area recently cleared of forest. Elevation 2,286 m. Shrub to 1.5 m. Leaves usually obovate, truncate, to 7 cm., scurfy, aromatic; flowers to eight in terminal clusters, tube 7 cm., scurfy, limb 3 cm. pure white, anthers yellow. Wild. Cuttings.

354312. 703. Tomba, along Mt. Hagen to Wabag road. Area recently cleared for forest. Elevation 2,286 m. Cuttings from various nonflowering plants at same location as P.I. 354311. Wild. Cuttings.

354313. 712. Tambul, along Mt. Hagen to Wabag Road. Shrub to 1.5 m. Leaves obovate to 5 cm.; slender-tubed white flowers 7 cm. long by 3 cm. wide, interminal umbel, fragrant; leaves aromatic. Wild. Cuttings.

354314 and 354315. RHODODENDRON INCONSPICUUM J. J. Smith

354314. 518. Below Daulo Pass, toward Chimbu. Elevation 2,134 m. Woody shrub to 6 m.; leaves 2.5 cm.; flowers campanulate, 1.2 cm. long, pink. Wild. Cuttings.

354315. 553. Sugi, Sinasina Census Division. Large shrub to 6 m.; leaves small terminal, flowers 1.2 cm., in clusters, salmon pink. Wild. Cuttings.

354316 to 354324. RHODODENDRON KONORI Becc.

354316. 75. Edie Creek. Gold mine tailings. Elevation 1,524 m. Terrestrial shrub; flowers white, pink tinted. Wild. Cuttings.

354317. 77. Edie Creek. Gold mine tailings. Elevation 1,524 m. Terrestrial shrub. Wild. Cuttings.

354318. 80. Meri Creek. Terrestrial shrub; flowers white with pink shading; limb 13 cm. expansion, 7 petals; carnation scented. Wild. Cuttings.

354319. 523. Yual, alongroad, Kundiawa to Gumine road. Shrub to 1.2 m., large terminal umbels of white flowers faintly tinged pink. Wild. Cuttings.

354320. 537. Tagala, Kundiawa Ekuam road. Shrub to 1.5 m.; flowers faintly pink, marked red at petal base, 10 in umbel, better type than average. Wild. Cuttings.

354321. 543. Along road, Kundiawa to Gumine. Shrub to 1.2 m., flowers more pink than most. Wild. Cuttings.

354322. 649. Mt. Kum, 20 km. south Mt. Hagen. Elevation 2,743 m. Epiphytic shrub, said to have pink flowers. Wild. Cuttings.

354323. 692. Road, Mt. Hagen to Baiyer River. Elevation 1,524 m. Shrub with terminal umbel of large, white flowers. Wild. Seedlings.

354324. 693. Road, Mt. Hagen to Baiyer River. Elevation 1,524 m. Shrub to 1.5 m.; large, white, scented flowers. Wild. Cuttings.

354325 and 354326. RHODODENDRON LEPTANTHUM F. Muell.

354325. 37. On Mt. Kaindi, near telephone repeater station. Elevation 2,134 m. Shrub; pink flowers. Wild. Cuttings.

354326. 78. Edie Creek on mine tailings. Elevation 1,524 m. Shrub. Wild. Cuttings.

354327. RHODODENDRON LINDAUEANUM Koord.

74. Edie Creek, by guesthouse. Minute leaves; red flowers; terrestrial. Wild. Plants.

354154 to 354428—Continued

354328 to 354338. RHODODENDRON MACGREGORIAE F. Muell.

354328. 92. Meri Creek, on mine tailings. Elevation 1,372 m. Terrestrial shrub; flowers yellow. Wild. Plant.

354329. 224. Aiyura Experiment Station toward Arona road. Small, terrestrial shrub in grassland; pale apricot flowers. Wild. Seed.

354330. 224. Aiyura Experiment Station toward Arona road. Small, terrestrial shrub in grassland; pale apricot flowers. Wild. Cuttings.

354331. 225. Garden of Ron Cairne, Aiyura Agricultural Experiment Station, Department of Agriculture, Stocks and Fisheries. Terrestrial shrubs; flowers not seen. Wild. (Cuttings, each apt to be a different clone).

354332. 387. Kevananga Ridge, paralleling Oregenang ridge. Elevation 1,219 m. Woody shrub to 3 m.; foliage whorled, 5 to 10 cm. long; fruit 2.5 cm. long. Wild. Seed.

354333. 387. Kevananga Ridge, paralleling Oregenang ridge. Elevation 1,219 m. Woody shrub to 3 m.; foliage whorled, 5 to 10 cm. long; fruit 2.5 cm. long. Wild. Cuttings.

354334. 501. Road, Kainantu to Goroka. Shrub to 60 cm., in grasslands; flowers pure yellow. Wild. Cuttings.

354335. 547. Dia, Kundiawa. Shrub to 91 cm.; stems red. Wild. Cuttings.

354336. 567. 1.6 km. from Sugi, Sinasina Census Division, Chimbu District. Epiphytic shrub, pale pastel flowers. Wild. Cuttings.

354337. 570. Close to Nilghuma Village, Chimbu District. Terrestrial shrub; said to have plum-colored flowers. Wild. Cuttings.

354338. 695. Road, Mt. Hagen to Baiyer River. Elevation 1,524 m. Shrub to 61 cm.; flowers larger than common, wider petals, apricot color. Wild. Cuttings.

354339. RHODODENDRON MULTINERVIUM Sleum.

521. Near top of Daulo Pass, Gorka to Kundiawa road. Elevation 2,286 m. Shrub to 1.2 m. Wild. Cuttings.

354340 and 354341. RHODODENDRON PLEIANTHUM Sleum.

354340. 645. Presented by Mr. Louis Searle, Kundiawa. Rooted cuttings from nursery. Wild. Plants.

354341. 646. Presented by Mr. Louis Searle, Kundiawa. Rooted cuttings from nursery; said to be a buff-apricot form of the species. Wild. Plants.

354342 to 354349. RHODODENDRON RARUM Schltr.

354342. 506. Daulo Pass, Goroka to Kundiawa road. Elevation 2,438 m. Lax, often epiphytic shrub with long-lanceolate leaves to 6.5 cm.; flower tube curved, red; corolla expanded to 1.9 cm. Wild. Cuttings.

354343. 559. Sugi, Sinasina Census Division. Large form. Wild. Cuttings.

354344. 634. Along trail, Mt. Wilhelm to Keglsugl. Epiphytic and terrestrial shrub; flowers dark red. Wild. Cuttings.

354345. 652. Mt. Kum, 20 km. south of Mt. Hagen. Elevation 2,743 m. Epiphytic shrub to 61 cm. Wild. Cuttings.

354346. 704. Tomba, road edge of Mt. Hagen to Wabag, area recently cleared of forest. Shrub to 91 cm.; slender, foliage sparse; leaves 6 cm. long; flowers 3 cm. long, tube curved, dark red, yellowish scales at base. Wild. Plants and cuttings.

354154 to 354428—Continued

354342 to 354349—Continued

354347. 706. Tambul, near road, Mt. Hagen to Wabag. Slender, terrestrial shrub on scree slope; leaves long-lanceolate to 5 cm.; inflorescence terminal; flower tube curved to 3 cm. by 0.8 cm. with yellowish scales toward base, limb 2.5 cm. Wild. Cuttings.

354348. 707. Tambul, near road, Mt. Hagen to Wabag. Shrub to 61 cm. Differs from P.I. 354347 in having slightly larger purplish rose flowers. Wild. Cuttings.

354349. 709. Tambul, near road, Mt. Hagen to Wabag. Shrub to 1.2 m. slender; leaves long-ovate, coriaceous; brown tomentum on flower as in P.I. 354347 but more purplish. Wild. Cuttings.

354350. RHODODENDRON SCABRIDIBRACTEUM Sleum.

542. Dia, Gumine Sub-district, Chimbu District. Elevation 2,134 m. Shrub to 1.5 m.; flowers red, 6 cm. long. Wild. Cuttings.

354351 to 354353. RHODODENDRON SUPERBUM Sleum.

354351. 396. Hillside below Oregenang Village. Shrub to 1.5 m.; leaves oblong 12 by 7 cm.; young stems and undersurface of young leaves scurfy; in bud. Wild. Cuttings.

354352. 508. Daulo Pass, road, Goroka to Kundiawa. Elevation 2,438 m. Shrub to 1.5 m. Wild. Cuttings.

354353. 558. Sugi, Sinasina Census Div. Shrub to 2 m. Wild. Cuttings.

354354 to 354358. RHODODENDRON WOMERSLEYI Sleum.

354354. 575. North of Lake Piunde, Australian National University Research Station, Mt. Wilhelm. Shrub to 91 cm.; leaves sessile, ovate, 0.6 cm. thickly foliated; flowers about 2 cm. long, dark red. Wild. Cuttings.

354355. 576. North of Lake Piunde at Australian National University Research Station, Mt. Wilhelm. Slightly larger flower and more vigorous plant than P.I. 354354. Wild. Cuttings.

354356. 595. Australian National Research Station, Mt. Wilhelm. Elevation 3,597 m. Shrub to 91 cm.; leaves 1 cm. long, more sparsely set on stem than in some plants; flower 3 cm. long, red; tube white dotted, very slightly curved. Wild. Seed.

354357. 595. Australian National University Research Station, Mt. Wilhelm. Elevation 3,597 m. Shrub to 91 cm.; leaves 1 cm. long, more sparsely set on stem than in some plants; flower 3 cm. long, red, tube white dotted, very slightly curved. Wild. Cuttings.

354358. 596. Australian National University Research Station, Mt. Wilhelm. Elevation 3.597 m. Similar to P.I. 354357 but with smaller, densely set leaves; flower 2 cm. long, red, white dotted on exterior of tube. Wild. Cuttings.

354359 to 354361. RHODODENDRON YELLIOTII Warb.

354359. 571. Australian National University Research Station, Mt. Wilhelm, on slope near guesthouse. Shrub to 91 cm.; leaves ovate 1.3 cm. long; young stems densely scaled brown; flowers 1.3 cm. dark red, scaled brown on exterior. Wild. Cuttings.

354360. 611. Across Lake Piunde from Australian National University house at Mt. Wilhelm. Elevation 3,688 m. Shrub to 91 cm.; foliage dense along twigs; leaves ovate, coriaceous, obtuse, 2 cm. long; flowers 2 or 3 terminally 2 cm. long, limb 1.7 cm., dark red yellow scales without. Wild. Seed.

354361. 613. Head of Lake Piunde on granite talus slope. Elevation 3,658 m. Shrub to 1.5 m.; twigs densely foliated; leaves ovate, truncate, 2.7 cm. long, coriaceous; flowers narrow tubular, 1.5 cm. long, dark purplish red, in terminal umbels to 7 flowers; densely yellow scaled without. Wild. Seed.

354154 to 354428—Continued

354362 to 354370. RHODODENDRON ZOELLERI Warb.

354362. 361. Hill below Oregenang Village. Elevation 1,372 m. Epiphytic shrub; leaves oblong 7 cm. long. Wild. Cuttings.

354363. 374. 'Bibalem'. Ridge above Oregenang Village. Elevation 1,524 m. Shrub to 1.8 m.; leaves whorled to 15.2 cm. long; flowers large, orange. Wild. Cuttings.

354364. 382. Kevananga Ridge, paralleling Oregenang Village. Elevation 1,219 m. Woody shrub to 3 m.; leaves in whorls, dark green to 15 cm.; flowers 7.6 cm. across, bright salmon at tips of the five petals, butter yellow center, 5 to 8 clustered terminally. Wild. Seed.

354365. 382. Kevananga Ridge, paralleling Oregenang Village. Elevation 1,219 m. Woody shrub to 3 m.; leaves in whorls, dark green to 15 cm.; flowers 7.6 cm. across, bright salmon at tips of the five petals, butter yellow center, 5 to 8 clustered terminally. Wild. Cuttings.

354366. 383. Kevananga Ridge, paralleling Oregenang Ridge. Elevation 1,219 m. Same as P.I. 354365. Wild. Cuttings.

354367. 383. Kevananga Ridge, paralleling Oregenang Ridge. Elevation 1,219 m. Same as P.I. 354365. Wild. Seed.

354368. 499. Road, Kainantu to Goroka. Shrub to 1.8 m.; flowers 8 cm. diameter, 5 to 6 in terminal umbels, salmon red petal edge, golden yellow throat. Wild. Cuttings.

354369. 499. Road, Kainantu to Goroka. Shrub to 1.8 m.; flowers 8 cm. diameter, 5 to 6 in terminal clusters, salmon red petal edge, golden yellow throat. Wild. Seed.

354370. 503. Road, Kainantu to Goroka. Shrub to 1.2 m.; particularly good color form, broad golden throat with petal tips dark salmon. Wild. Cuttings.

354371. RHODODENDRON sp.

79. Edie Creek on mine tailings. Elevation 1,524. Shrub; oval leaf to 2.5 cm. long; flowers red. Wild. Seed.

354372. RHODODENDRON sp.

99. On hill above Meri Creek. Elevation 1,433 m. Shrub. Wild. Cuttings

354373. RHODODENDRON sp.

192. Garden of Peter Shanahan, Wau. Shrub to 91 cm. Seed.

354374. RHODODENDRON sp.

296. Garden of Karl van Hoeck, Aiyura. Shrub, pink flowers. Wild. Seed.

354375. RHODODENDRON sp.

296. Garden of Karl van Hoeck, Aiyura. Shrub, pink flowers. Wild. Cuttings.

354376. RHODODENDRON sp.

297. Garden of Karl van Hoeck, Aiyura. Terrestrial shrub. Each cutting apt to be a different clone. Wild. Cuttings.

354377. RHODODENDRON sp.

298. Garden of Karl van Hoeck, Aiyura. Terrestrial shrub; white flowers. Wild. Cuttings.

354378. RHODODENDRON sp.

502. Road, Kainantu to Goroka. Shrub to 61 cm.; flowers rose-pink in terminal umbels, larger than common *R. macgregoriae*. Wild. Cuttings.

354154 to 354428—Continued

354379. RHODODENDRON sp.

504. Road, Kainantu to Goroka. Shrub to 91 cm.; sterile. Wild. Cuttings.

354380. RHODODENDRON sp.

517. Daulo Pass, Goroka to Kundiawa road. Elevation 2,438 m. Sterile. Wild. Cuttings.

354381. RHODODENDRON sp.

519. Below Daulo Pass toward Chimbu about 2,134 m. elevation. Shrub to 1.2 m.; leaves lanceolate 5 cm. long; flowers salmon-pink, 1.9 cm. long, limb expanded 1.9 cm. Wild. Cuttings.

354382. RHODODENDRON sp.

520. Near top Daulo Pass, road Goroka to Kundiawa. Elevation 2,286 m. Shrub to 91 cm. Wild. Cuttings.

354383. RHODODENDRON sp.

532. Ekuam. Terrestrial shrub to 91 cm.; leaves obovate. Sterile. Wild. Cuttings.

354384. RHODODENDRON sp.

545. Dia, swampy hillside. Elevation 2,134 m. Shrub to 1.2 m.; no flowers. Wild. Cuttings.

354385. RHODODENDRON sp.

549. Dia, Kundiawa. Shrub to 1.2 m. Wild. Cuttings.

354386. RHODODENDRON sp.

556. Sugi, Sinasina Census Division. Shrub to 1.2 m. Wild. Cuttings.

354387. RHODODENDRON sp.

561. Sugi, Sinasina Census Division. Shrub to 2 m.; flowers 5 cm. tubular, dark red, borne singly. Wild. Cuttings.

354388. RHODODENDRON sp.

562. Near Nilghuma Village, Chimbu District. Shrub to 2.4 m.; flowers tiny pink bells. Wild. Cuttings.

354389. RHODODENDRON sp.

568. Near Sugi, Sinasina Census Division, Chimbu District. Shrub. No flowers. Wild. Cuttings.

354390. RHODODENDRON sp.

658. Mt. Kum, 19 km. south of Mt. Hagen. Elevation 1,829 m. Shrub to 91 cm. Resembles *R. konori*. Seems to lack brown tomentum. Wild. Cuttings.

354391. RHODODENDRON sp.

710. Tambul, near road, Mt. Hagen to Wabag. Small juvenile shrub, leaves ovate-lanceolate, 9 cm. by 4.5 cm.; dense yellow-brown tomentum on underside of leaf and young stem; leaves whitish above, net veins conspicuous. Wild. Cuttings.

354392. RHODODENDRON sp.

711. Tambul, near road, Mt. Hagen to Wabag. Shrub to 1.2 m.; not in flower; leaves oblong to obovate, to 10 cm. by 4.5 cm., yellowish green, petiole red, prominent net veined above, glabrous. Wild. Cuttings.

354393. RHYNCHOGLOSSUM OBLIQUUM Bl. Gesneriaceae.

412. Along trail Oregenang to Mindik. Herbaceous, tender, 21 cm. tall, blue flowers in axillary and terminal spikes. Wild. Plants.

354154 to 354428—Continued

354394. RUNGIA KLOSSII S. Moore Acanthaceae.

328. Trail to Oregenang from Mindik. Herbaceous, small plant, leaves variegated yellow along midvein; flowers in conical inflorescence, blue. Wild. Cuttings.

354395. SCHEFFLERA sp. Araliaceae.

299. Kassam Pass. Epiphytic shrubs. Wild. Plants.

354396. SCHEFFLERA sp.

362. Hillside below Oregenang Village. Elevation 1,311 m. Large vigorous plant with leaf 31 cm., scurfy below. Wild. Plants.

354397. SCHEFFLERA sp.

623. 'Bogan'. Near Australian National University Research Station, Mt. Wilhelm. Elevation 3,579 m. Slender tree to 9 m.; terminal whorls of peltate compound leaves to 30 cm. diameter; leaflets to 15 cm. long; inflorescence terminal, twice compound, each raceme composed of stalked globular heads; fruits to 2 cm. diameter. Wild. Seed.

354398. SCHEFFLERA sp.

663. Mt. Kum, 19 kms. south of Mt. Hagen. Elevation 1,829 m. Seedlings with long, slender leaflets. Wild. Plants.

354399. SCHEFFLERA sp.

665. Mt. Kum, 19 kms. south of Mt. Hagen. Elevation 1,829 m. Dwarf epiphytic shrub 31 cm. tall; leaves digitately compound; flowers minute greenish in compound inflorescence; fruit purple, clustered on secondary stems inflorescence, 3 mm. Wild. Seed.

354400. SCHIZOCASIA ACUTA Engl. Araceae.

456. Division of Botany, Botanic Garden, Lae. Terrestrial herb with short solid stem; leaves green, erect, sagittate, deeply lobed to 38 cm. long. Cultivated. Plants.

354401 and 354402. SCHIZOCASIA LAUTERBACHIANA Engl.

354401. 444. Division of Botany, Botanic Garden, Lae. Terrestrial herb to 91 cm.; stem erect to 61 cm.; leaves erect, dark purple, deeply crenate. Cultivated. Plants.

354402. 781. Sheedy's Nurseries, Port Moresby. Herbaceous from short, erect, solid stem; petioles marble, leaves lobed almost to midrib. Originally from highlands. Cultivated. Plants.

354403. SCHUURMANSIA sp. Ochnaceae.

378. Steep hillside below Oregenang Village. Elevation 1,219 m. Tree to 30.5 m. Wild. Plants.

354404. SCHUURMANSIA sp.

379. Steep hillside below Oregenang Village. Elevation 1,219 m. Wild. Plants.

354405. SETARIA PALMIFOLIA (Koen.) Stapf Gramineae.

565. 'Petpit'. From garden near Kundiawa. Herb to 76 cm.; stems and midrib red-purple; leaves 31 cm., distichous, plicate, variegated with white. Hearts of shoots eaten. Cultivated. Cuttings.

354406. SPATHIPHYLLUM sp. Araceae.

465. Division of Botany, Botanic Garden, Lae. Herbaceous plant to 91 cm.; leaves long obovate, dark green, 30 cm.; flower spathe green below, white within, 13 cm. Cultivated. Plants.

354154 to 354428—Continued

354407. SPATHIPHYLLUM sp.

669. Along road to Mt. Kum from Mt. Hagen. Elevation 1,829 m. Terrestrial herb to 61 cm.; oblong leaves dark green; inflorescense 15 cm. tall; spathe white, enclosing spadix. Wild. Plants.

354408. TRICHOSANTHES sp. Cucurbitaceae.

113. Forest nursery at Pine Top, near Bulolo. Herbaceous vine in fruit; ovoid fruits bright red. Wild. Seed.

354409. VACCINIUM sp. Ericaceae.

540. Ekuam on road to Kundiawa. Elevation 2,499 m. Dwarf epiphtic vine. Flowers globular, pink, 0.6 cm.; fruit pink. Wild. Cuttings.

354410. VACCINIUM sp.

584. Australian National University Research Station, Mt. Wilhelm. Elevation 3,597 m. Low shrub, leaves sessile, 1 cm., evenly spaced; flowers axillary, pale pink, globular, opening small, 1 cm. long; fruit 0.5 cm., black. Wild. Cuttings.

354411. ZEBRINA sp. Commelinaceae.

186. Patep 2 Village. Dwarf herb, flowers showy, pale purple; mat forming on rock. Wild. Plants.

354412. ZINGIBER sp. Zingiberaceae.

759. Itikinumu Hill, near Sirunumu Village, Ogotama. Terrestrial herb with rhizomatous rootstalks. Wild. Plants.

354413. Undetermined. Asclepiadaceae.

125. On hills above Patep 2 Village. Epiphytic vine; resembles *Hoya*. Wild. Cuttings.

354414. Undetermined. Zingiberaceae.

146. Patep 2 Village. Plant dark green. to 91 cm.; leaves distichous; spike inflorescence from upper axils 15 cm. long; flowers 2.5 cm., white, stained lilac at base. Wild. Plants.

354415. Undetermined.

188. Patep 2 Village. Terrestrial to 1.2 m.; flower on 20 cm. separate stem; cone red 6.5 cm. by 3 cm. Leaves and young stems steeped for fever remedy. Wild. Plants.

354416. Undetermined.

360. Hill below Oregenang Village. Elevation 1,280 m. Terrestrial herb to 61 cm.; leaves elongated, distichous; fruit red to 2.5 cm., seed black. Wild. Plants.

354417. Undetermined. Compositae.

650. Mt. Kum, 19 km. south of Mt. Hagen. Elevation 2,743 m. Herb to 3 m.; long pubescent leaves resembling *Vernonia;* yellow, all tubular. Wild. Plants.

354418. Undetermined. Zingiberaceae.

653. Mt. Kum, 19 km. south of Mt. Hagen. Elevation 2,743 m. Epiphytic and terrestrial herb to 61 cm.; foliage small, stems red; flowers small, orange, red tipped; fruit red, 1.2 cm. long. Wild. Rhizomes.

354419. Undertermined. Zingiberaceae.

653. Mt. Kum, 19 km. south of Mt. Hagen. Elevation 2,743 m. Epiphytic and terrestrial herb to 61 cm.; foliage small, stems red; flowers small, orange, red tipped; fruit red 1.2 cm. long. Wild. Seed.

354420. Undertermined. Ericaceae.

654. Mt. Kum, 19 km. south of Mt. Hagen. Elevation 2,743 m. Shrub to 1.8 m.; leaves sessile, cordate, the base clasping; inflorescence terminal, globular flowers pink; fruit dark purple, 1.2 cm. Wild. Seed.

354154 to 354428—Continued

354421. Undertermined. Zingiberaceae.

656. Mt. Kum, 19 km. south of Mt. Hagen. Elevation 2,743 m. Terrestrial herb to 1.2 m; stems reddish, slender, not in flower; produces plantlets at the nodes. Wild. Rhizomes.

354422. Undertermined. Zingiberaceae.

657. Mt. Kum, 19 km. south of Mt. Hagen. Elevation 2,743 m. Terrestrial herb to 91 cm.; inflorescence compound, individual flowers to 1.8 cm. orange-red, profuse; foliage distichous to 46 cm.; fruit red 0.6 cm. Wild. Plants.

354423. Undetermined. Rubiaceae.

660. Mt. Kum, 19 km. south of Mt. Hagen. Elevation 2,743 m. Dwarf creeping herb in wet places. Fruit red. Wild. Seed.

354424. Undetermined. Zingiberaceae.

661. Mt. Kum, 19 km. south of Mt. Hagen. Elevation 2,743 m. Terrestrial herb to 91 cm.; inflorescence terminal; stems and calyces red; flower white, 5 cm. long. Wild.

354425. Undetermined. Araceae.

742. Department of Forests, Brown River. Herb to 46 cm.; stem creeping, rooting. Leaf oblanceolate, sagittate base to 30 cm. by 8 cm. Wild.

354426. Undetermined. Polypodiaceae.

778. Rouna Falls, about 50 km. from Port Moresby on Sogeri road. Strap-leaved fern; fronds entire 10–12 cm. long. Wild.

354427. Undetermined. Commelinaceae.

784. Papua Hotel, Port Moresby. Herb used in window boxes; leaves variegated with white. Cultivated.

354428. Undetermined.

From Philippines. Plant collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland, for USDA-Longwood Cooperative Program. Received March 7, 1970.

841. Mt. Makiling, Laguna Province. Elevation 941 m. Terrestrial fern to 1.2 m., fronds to 91 cm. long; deeply pinnate; pinnae well separated, leathery, brittle. Wild.

354429 to 354887. Vigna unguiculata (L.) Walp. Leguminosae. Cowpea.

From India. Seed presented by the Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received August 15, 1970.

354429.	62–069–00587.	I.C. 6A.	**354441.**	62–069–00601.	I.C. 323.
354430.	62–609–00588.	I.C. 68.	**354442.**	62–069–00603.	I.C. 389.
354431.	62–069–00591.	I.C. 9.	**354443.**	62–069–00604.	I.C. 394.
354432.	62–069–00592.	I.C. 10.	**354444.**	62–069–00606.	I.C. 434.
354433.	62–069–00593.	I.C. 12.	**354445.**	62–069–00607.	I.C. 434A.
354434.	62–069–00594.	I.C. 308.	**354446.**	62–069–00608.	I.C. 435.
354435.	62–069–00595.	I.C. 317.	**354447.**	62–069–00609.	I.C. 436.
354436.	62–069–00596.	I.C. 319.	**354448.**	62–069–00611.	I.C. 438.
354437.	62–069–00597.	I.C. 319A.	**354449.**	62–069–00612.	I.C. 464A.
354438.	62–069–00598.	I.C. 320.	**354450.**	62–069–00613.	I.C. 464.
354439.	62–069–00599.	I.C. 321.	**354451.**	62–069–00614.	I.C. 611.
354440.	62–069–00600.	I.C. 322.	**354452.**	62–069–00615.	I.C. 670.

354429 to 354887—Continued

354453.	62–069–00617.	I.C. 672.
354454.	62–069–00618.	I.C. 693.
354455.	62–069–00620.	I.C. 895.
354456.	62–069–00621.	I.C. 903.
354457.	62–069–00622.	I.C. 1459.
354458.	62–069–00623.	I.C. 1619.
354459.	62–069–00625.	I.C. 1927.
354460.	62–069–00628.	I.C. 2045.
354461.	62–069–00629.	I.C. 2046.
354462.	62–069–00630.	I.C. 2047.
354463.	62–069–00633.	I.C. 2098.
354464.	62–069–00634.	I.C. 2145.
354465.	62–069–00635.	I.C. 2147.
354466.	62–069–00636.	I.C. 2148.
354467.	62–069–00638.	I.C. 2150.
354468.	62–069–00639.	I.C. 2151.
354469.	62–069–00640.	I.C. 2152.
354470.	62–069–00641.	I.C. 2218.
354471.	62–069–00643.	I.C. 2238.
354472.	62–069–00644.	I.C. 2313.
354473.	62–069–00645.	I.C. 2328.
354474.	62–069–00647.	I.C. 2441.
354475.	62–069–00648.	I.C. 2443.
354476.	62–069–00649.	I.C. 2469.
354477.	62–069–00650.	I.C. 2472.
354478.	62–069–00652.	I.C. 2522.
354479.	62–069–00654.	I.C. 2795A.
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354481.	62–069–00656.	I.C. 2799.
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354486.	62–069–00662.	I.C. 2810.
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354488.	62–069–00664.	I.C. 2815.
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354490.	62–069–00667.	I.C. 2821.
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354492.	62–069–00669.	I.C. 2856.
354493.	62–069–00671.	I.C. 2859.
354494.	62–069–00672.	I.C. 2860.
354495.	62–069–00673.	I.C. 2861.
354496.	62–069–00674.	I.C. 2863.
354497.	62–069–00675.	I.C. 2864.
354498.	62–069–00676.	I.C. 2865.
354499.	62–069–00677.	I.C. 2867.
354500.	62–069–00678.	I.C. 2873.
354501.	62–069–00679.	I.C. 2876.
354502.	62–069–00680.	I.C. 2881.
354503.	62–069–00681.	I.C. 2883.
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354505.	62–069–00683.	I.C. 2889.
354506.	62–069–00684.	I.C. 2892.
354507.	62–069–00685.	I.C. 2893.
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354509.	62–069–00687.	I.C. 2897.
354510.	62–069–00689.	I.C. 2899.
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354512.	62–069–00691.	I.C. 2901.
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354514.	62–069–00693.	I.C. 2903.
354515.	62–069–00694.	I.C. 2904.
354516.	62–069–00695.	I.C. 2905.
354517.	62–069–00696.	I.C. 2906.
354518.	62–069–00697.	I.C. 2907.
354519.	62–069–00698.	I.C. 2908.
354520.	62–069–00699.	I.C. 2911.
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354526.	62–069–00705.	I.C. 2917.
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354529.	62–069–00708.	I.C. 2923.
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354534.	62–069–00713.	I.C. 2929.
354535.	62–069–00714.	I.C. 2930.
354536.	62–069–00715.	I.C. 2931.

354429 to 354887—Continued

354537.	62–069–00716.	I.C. 2935.
354538.	62–069–00717.	I.C. 2936.
354539.	62–069–00718.	I.C. 2937.
354540.	62–069–00719.	I.C. 2939.
354541.	62–069–00720.	I.C. 2940.
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354544.	62–069–00724.	I.C. 2947.
354545.	62–069–00725.	I.C. 2948.
354546.	62–069–00726.	I.C. 2949.
354547.	62–069–00727.	I.C. 2950.
354548.	62–069–00728.	I.C. 2952.
354549.	62–069–00730.	I.C. 2953A.
354550.	62–069–00731.	I.C. 2955.
354551.	62–069–00732.	I.C. 2958.
354552.	62–069–00733.	I.C. 2959.
354553.	62–069–00734.	I.C. 2960.
354554.	62–069–00735.	I.C. 2961.
354555.	62–069–00736.	I.C. 2962.
354556.	62–069–00737.	I.C. 2963.
354557.	62–069–00738.	I.C. 2964.
354558.	62–069–00739.	I.C. 2965.
354559.	62–069–00740.	I.C. 2969.
354560.	62–069–00741.	I.C. 2970.
354561.	62–069–00742.	I.C. 2986.
354562.	62–069–00744.	I.C. 2989.
354563.	62–069–00745.	I.C. 2990.
354564.	62–069–00746.	I.C. 2991.
354565.	62–069–00747.	I.C. 2991A.
354566.	62–069–00748.	I.C. 2992.
354567.	62–069–00749.	I.C. 2993.
354568.	62–069–00750.	I.C. 2995A.
354569.	62–069–00751.	I.C. 2997.
354570.	62–069–00755.	I.C. 3008.
354571.	62–069–00756.	I.C. 3009.
354572.	62–069–00758.	I.C. 3905.
354573.	62–069–00759.	I.C. 4403.
354574.	62–069–00760.	I.C. 4639.
354575.	62–069–00763.	I.C. 4888.
354576.	62–069–00764.	I.C. 5504.
354577.	62–069–00765.	I.C. 5514.
354578.	62–069–00767.	I.C. 6142.
354579.	62–069–00768.	I.C. 6321.
354580.	62–069–00769.	I.C. 7093.
354581.	62–069–00770.	I.C. 7095.
354582.	62–069–00772.	I.C. 7170.
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354584.	62–069–00774.	I.C. 7196.
354585.	62–069–00775.	I.C. 7197.
354586.	62–069–00776.	I.C. 7393.
354587.	62–069–00777.	I.C. 7394.
354588.	62–069–00779.	I.C. 7428.
354589.	62–069–00780.	I.C. 7429.
354590.	62–069–00781.	I.C. 7430.
354591.	62–069–00783.	I.C. 7461.
354592.	62–069–00784.	I.C. 7486.
354593.	62–069–00785.	I.C. 7487.
354594.	62–069–00786.	I.C. 7823.
354595.	62–069–00787.	I.C. 7824.
354596.	62–069–00789.	I.C. 7827.
354597.	62–069–00791.	I.C. 7830.
354598.	62–069–00792.	I.C. 7831.
354599.	62–069–00793.	I.C. 7832.
354600.	62–069–00796.	I.C. 7835.
354601.	62–069–00797.	I.C. 7836.
354602.	62–069–00798.	I.C. 7837.
354603.	62–069–00799.	I.C. 7838.
354604.	62–069–00800.	I.C. 7839.
354605.	62–069–00801.	I.C. 7916.
354606.	62–069–00802.	I.C. 8266.
354607.	62–069–00804.	I.C. 8268.
354608.	62–069–00806.	I.C. 8605.
354609.	62–069–00807.	I.C. 8606.
354610.	62–069–00808.	I.C. 8610.
354611.	62–069–00811.	I.C. 8867.
354612.	62–069–00812.	I.C. 8966.
354613.	62–069–00813.	I.C. 8970.
354614.	62–069–00815.	I.C. 8990.
354615.	62–069–00817.	I.C. 9157.
354616.	62–069–00818.	I.C. 9287.
354617.	62–069–00820.	I.C. 9641.
354618.	62–069–00821.	I.C. 9642.
354619.	62–069–00822.	I.C. 9642A.
354620.	62–069–00823.	I.C. 9644.

354429 to 354887—Continued

354621. 62-069-00824. I.C. 9775.
354622. 62-069-00825. I.C. 9780.
354623. 62-069-00827. I.C. 9849.
354624. 62-069-00828. I.C. 9850.
354625. 62-069-00829. I.C. 9883.
354626. 62-069-00830. I.C. 10205.
354627. 62-069-00832. I.C. 10207A.
354628. 62-069-00833. I.C. 10210.
354629. 62-069-00834. I.C. 10210A.
354630. 62-069-00835. I.C. 10212.
354631. 62-069-00837. I.C. 10215.
354632. 62-069-00840. I.C. 10218.
354633. 62-069-00841. I.C. 10219.
354634. 62-069-00842. I.C. 10221.
354635. 62-069-00843. I.C. 10222.
354636. 62-069-00845. I.C. 10225.
354637. 62-069-00846. I.C. 10225A.
354638. 62-069-00847. I.C. 10225B.
354639. 62-069-00848. I.C. 10226.
354640. 62-069-00849. I.C. 10226A.
354641. 62-069-00851. I.C. 10227.
354642. 62-069-00854. I.C. 10230.
354643. 62-069-00858. I.C. 10705.
354644. 62-069-00860. I.C. 10706A.
354645. 62-069-00863. I.C. 10810.
354646. 62-069-00865. I.C. 11107.
354647. 62-069-00867. I.C. 11337.
354648. 62-069-00869. I.C. 11374.
354649. 62-069-00872. I.C. 11492.
354650. 62-069-00873. I.C. 11685.
354651. 62-069-00874. E.C. 455A.
354652. 62-069-01098. I.C. 3016.
354653. 62-069-01100. I.C. 3337.
354654. 62-069-01101. I.C. 3338.
354655. 62-069-01102. I.C. 3368.
354656. 62-069-01103. I.C. 3792.
354657. 62-069-01104. P-966-66.
354658. 62-069-01105 P-778-66.
354659. 62-069-01106. P-876-66.
354660. 62-069-01109. P-884-66.
354661. 62-069-01110. P-905-66.
354662. 62-069-01113. P-755-66.
354663. 62-069-01114. P-876-66.
354664. 62-069-01115. P-1018-66.
354665. 62-069-01117. C.P. 2.
354666. 62-069-01118. P-924-66.
354667. 62-069-01120. P-903-66.
354668. 62-069-01121. P-1099-66.
354669. 62-069-01122. P-1066-66.
354670. 62-069-01123. P-872-66.
354671. 62-069-01124. P-876-66.
354672. 62-069-01126. P-884-66.
354673. 62-069-01127. P-884-66.
354674. 62-069-01128. P-938-66.
354675. 62-069-01129. P-772-66.
354676. 62-069-01130. P-932-66.
354677. 62-069-01131. P-878-66.
354678. 62-069-01134. C.P. 5.
354679. 62-069-01138. P-704-66.
354680. 62-069-01139. P-971-66.
354681. 62-069-01140. P-944-66.
354682. 62-069-01141. P-760-66.
354683. 62-069-01144. P-822-66.
354684. 62-069-01145. P-822-66.
354685. 62-069-01146. P-933-66.
354686. 62-069-01148. C.P. 7.
354687. 62-069-01150. C.P. 9.
354688. 62-069-01151. C.P. 10.
354689. 62-069-01152. C.P. 11.
354690. 62-069-01153. C.P. 12.
354691. 62-069-01154. C.P. 13.
354692. 62-069-01155. C.P. 14.
354693. 62-069-01156. C.P. 15.
354694. 62-069-01159. C.P. 18.
354695. 62-069-01160. C.P. 19.
354696. 62-069-01161. C.P. 20.
354697. 62-069-01162. P-723-66.
354698. 62-069-01163. P-735-66.
354699. 62-069-01164. P-1002-66.

Field collection.

354700. 62-069-01171.
354701. 62-069-01172.

354429 to 354887—Continued

354702.	62–069–01173.	
354703.	62–069–01174.	
354704.	62–069–01175.	
354705.	62–069–01176.	
354706.	62–069–01177.	
354707.	62–069–01178.	
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354710.	62–069–01183.	
354711.	62–069–01184.	
354712.	62–069–01185.	
354713.	62–069–01186.	
354714.	62–069–01190.	
354715.	62–069–01192.	35.
354716.	62–069–01193.	5212B.
354717.	62–069–01194.	5217.
354718.	62–069–01196.	5223.
354719.	62–069–01197.	5226B–1.
354720.	62–069–01198.	5226B–2.
354721.	62–069–01199.	5226B–3.
354722.	62–069–01200.	5226B–4–2.
354723.	62–069–01201.	5227.
354724.	62–069–01202.	5252A.
354725.	62–069–01204.	5286–3.
354726.	62–069–01205.	5228.
354727.	62–069–01206.	5229.
354728.	62–069–01207.	5238.
354729.	62–069–01208.	5252B.
354730.	62–069–01209.	5253.
354731.	62–069–01210.	5262.
354732.	62–069–01211.	5270.
354733.	62–069–01212.	5286–4.
354734.	62–069–01214.	5704.
354735.	62–069–01215.	5286.
354736.	62–069–01216.	5285.
354737.	62–069–01217.	3 B.
354738.	62–069–01218.	6342.
354739.	62–069–01219.	6410.
354740.	62–069–01220.	5740.
354741.	62–069–01221.	5707.
354742.	62–069–01223.	5715.
354743.	62–069–01224.	5738.
354744.	62–069–01225.	16–1/49.
354745.	62–069–01226.	20–7/25.
354746.	62–069–01227.	20–7/27.
354747.	62–069–01238.	20/7–25.
354748.	62–069–01240.	28/1–18B.
354749.	62–069–01242.	Branco.
354750.	62–069–01243.	6001.
354751.	62–069–01244.	6002.
354752.	62–069–01245.	6003.
354753.	62–069–01247.	2 A.
354754.	62–069–01248.	2 B.
354755.	62–069–01250.	3 A.
354756.	62–069–01251.	4.
354757.	62–069–01252.	5.
354758.	62–069–01255.	5267.
354759.	62–069–01256.	9.
354760.	62–069–01257.	T2.
354761.	62–069–01258.	10.
354762.	62–069–01260.	12.
354763.	62–069–01261.	13.
354764.	62–069–01262.	15.
354765.	62–069–01263.	16.
354766.	62–069–01264.	17.
354767.	62–069–01265.	18.
354768.	62–069–01267.	20.
354769.	62–069–01268.	21.
354770.	62–069–01269.	22.
354771.	62–069–01270.	23.
354772.	62–069–01271.	24.
354773.	62–069–01272.	25.
354774.	62–069–01273.	26.
354775.	62–069–01275.	28.
354776.	62–069–01276.	29.
354777.	62–069–01278.	32.
354778.	62–069–01279.	34.
354779.	62–069–01282.	38.
354780.	62–069–01283.	39.
354781.	62–069–01284.	5201.
354782.	62–069–01285.	5202.
354783.	62–069–01286.	5203.
354784.	62–069–01288.	5205.
354785.	62–069–01289.	5207.

354429 to 354887—Continued

354786.	62–069–01291.	5209.
354787.	62–069–01292.	5210.
354788.	62–069–01294.	5212.
354789.	62–069–01295.	5213.
354790.	62–069–01296.	5214.
354791.	62–069–01297.	5215.
354792.	62–069–01298.	5216.
354793.	62–069–01299.	5218.
354794.	62–069–01301.	5221.
354795.	62–069–01302.	5224.
354796.	62–069–01303.	5225.
354797.	62–069–01304.	5226A.
354798.	62–069–01305.	5230.
354799.	62–069–01306.	5231.
354800.	62–069–01307.	5232.
354801.	62–069–01308.	5233A.
354802.	62–069–01309.	5233B.
354803.	62–069–01310.	5234.
354804.	62–069–01311.	5235A.
354805.	62–069–01312.	5235B.
354806.	62–069–01313.	5235C.
354807.	62–069–01316.	5740.
354808.	62–069–01317.	5240A.
354809.	62–069–01318.	5242.
354810.	62–069–01319.	6409.
354811.	62–069–01320.	5243.
354812.	62–069–01324.	5247.
354813.	62–069–01325.	5248.
354814.	62–069–01326.	5249A.
354815.	62–069–01327.	5249B.
354816.	62–069–01328.	5250.
354817.	62–069–01329.	5251.
354818.	62–069–01331.	5255.
354819.	62–069–01332.	5256.
354820.	62–069–013334.	5258.
354821.	62–069–01335.	5260.
354822.	62–069–01336.	5261.
354823.	62–069–01337.	6404.
354824.	62–069–01338.	5268.
354825.	62–069–01339.	5271.
354826.	62–069–01341.	5273.
354827.	62–069–01343.	5275A.
354828.	62–069–01344.	5275B.
354829.	62–069–01345.	5276.
354830.	62–069–01347.	5278.
354831.	62–069–01348.	5279.
354832.	62–069–01350.	5282.
354833.	62–069–01351.	5283.
354834.	62–069–01352.	5284.
354835.	62–069–01353.	5286–1.
354836.	62–069–01355.	5287.
354837.	62–069–01356.	5288.
354838.	62–069–01357.	5289.
354839.	62–069–01358.	5301.
354840.	62–069–01359.	5706.
354841.	62–069–01360.	5708.
354842.	62–069–01361.	5711.
354843.	62–069–01362.	5712.
354844.	62–069–01363.	5701.
354845.	62–069–01364.	5714.
354846.	62–069–01365.	5716.
354847.	62–069–01366.	5717.
354848.	62–069–01367.	5718.
354849.	62–069–01369.	5720.
354850.	62–069–01370.	5721.
354851.	62–069–01371.	5722.
354852.	62–069–01374.	5725.
354853.	62–069–01375.	5727.
354854.	62–069–01376.	5728.
354855.	62–069–01379.	5731.
354856.	62–069–01383.	6408.
354857.	62–069–01384.	6/2–16.
354858.	62–069–01385.	16/1–35.
354859.	62–069–01386.	16/1–31.
354860.	62–069–01387.	16/1–33.
354861.	62–069–01388.	5237.
354862.	62–069–01389.	16/1–46.
354863.	62–069–01390.	20/7–21.
354864.	62–069–01392.	25/4–28.
354865.	62–069–01393.	6/2–28.
354866.	62–069–01396.	5903A.
354867.	62–069–01397.	5903B.
354868.	62–069–01398.	6004.
354869.	62–069–01399.	6322.

354429 to 354887—Continued

354870. 62–069–01400. 6325.
354871. 62–069–01407. 6335.
354872. 62–069–01408. 6336.
354873. 62–069–01409. 6337.
354874. 62–069–01411. 6339.
354875. 62–069–01412. 6340.
354876. 62–069–01414. 6344.
354877. 62–069–01415. 6345.
354878. 62–069–01416. 6346.
354879. 62–069–01417. 6347.
354880. 62–069–01418. 6401.
354881. 62–069–01421. 16/1–43.
354882. 62–069–01424. Field Collection.
354883. 62–069–01426. Field Collection.
354884. 62–069–01427. Field Collection.
354885. 62–069–01428. F.S. 66.
354886. 62–069–01429. F.S. 68.
354887. 62–069–01430.

354888 to 354892. Allium sativum L. Liliaceae. Garlic.

From Yugoslavia. Bulbs collected by T. Dimitrovski, Faculty of Agriculture and Forestry, University of Skopje, under Public Law 480 Project E30–CR–33. Received September 29, 1970.

354888. 701. 'Proletnjak'. Spring variety.
354889. 742. 'Domasen proletnjak'. Spring variety.
354890. 977. 'Lisicki proletnjak'. Spring variety.
354891. 1002. 'Proletnjak'. Spring variety.
354892. 1058. 'Bukovski'. Spring variety.

354893 and 354894.

From Bulgaria. Seed presented by Director C. Daskaloff, Institute of Genetics and Plant Breeding, Sofia. Received September 24, 1970.

354893. Briza maxima L. Gramineae. Big quaking grass.
354894. Briza media L.

354895. Arecastrum sp. Palmae.

From Brazil. Seed presented by B. V. Skvortzov, Instituto de Botanica, Sao Paulo. Received September 24, 1970.

354896. Paspalum notatum Fleugge Gramineae. Bahiagrass.

From Colombia. Stolons presented by the University of Nebraska-United States Agency for International Development Mission in Colombia, Medellin.

'Trensa'.

354897 to 354899. Coffea arabica L. Rubiaceae. Coffee.

From Brazil. Seed presented by Alcides Carvalho, Instituto Agronomico, Campinas, São Paulo. Received October 12, 1970.

354897. 45519–1.
354898. 45519–2.
354899. 45519–3.

354900 to 354903. Saccharum (hybrid) Gramineae. Sugarcane.

From Mexico. Cuttings presented by Ing. Enrique Toledo, Instituto Mejoramiento de la Produccion Azucar, Cuidad Mante, Tamaulipas. Received October 8, 1970.

354900. CO 467.

354900 to 354903—Continued

354901. CO 331.

354902. Mex 57–473.

354903. Mex 58–1230.

354904. ORYZA SATIVA L. Gramineae. **Rice.**

From India. Seed presented by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi-12. Received September 30, 1970.

'CR 42–38'. Central Rice Research Institute, Cuttack.

354905 and 354906. HELIANTHUS ANNUUS L. Compositae. **Sunflower.**

From Iran. Seed presented by C. S. Stephanides, Agricultural Attaché, American Embassy, Tehran. Received September 28, 1970.

354905. Field in Rumania. Seed black, reported oil content near 50 percent.

354906. Large white seed, from one plant in Rumanian field of black seeded type. Possible mutant.

354907. ARACHIS HYPOGAEA L. Leguminosae. **Peanut.**

From India. Seed presented by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received September 21, 1970.

E. C. 21115. Amravati, Maharashtra State. Originally from Sudan. Purportedly resistant to *Aspergillus niger*.

354908. SCHLEICHERA TRIJUGA Willd. Sapindaceae.

From India. Seed presented by Pratap Nursery & Seed Stores, Dehra Dun, through Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received September 22, 1970.

354909. SETARIA SPHACELATA (Schum.) & Hubb. ex M. B. Moss Gramineae.

From Australia. Seed presented by Commonwealth Scientific and Industrial Research Organization, Division of Plant Industry, Canberra. Received September 15, 1970.

354910 to 354915.

From Australia. Seed presented by Division of Plant Introduction, Commonwealth Scientific and Industrial Research Organization, Canberra. A.C.T. Received September 22, 1970.

354910. ATRIPLEX ELACHOPHYLLA F. Muell. Chenopodiaceae.
S 255.

354911. ATRIPLEX HOLOCARPA F. Muell.
S 256.

354912. ATRIPLEX HORTENSIS L.
S 257.

354913. ATRIPLEX LINDLEYI Moq.
S 258.

354914. PANICUM MAXIMUM Jacq. Gramineae. **Guineagrass.**

'Hamil'.

354915. VIGNA LUTEOLA (Jacq.) Benth. Leguminosae.

354916 to 354922.

From Israel. Seed presented by Plant Introduction Service, Volcani Institute of Agricultural Research, Beit Dagan. Received September 25, 1970.

354916 to 354922—Continued

354916. CANAVALIA GLADIATA (Jacq.) DC. Leguminosae. **Swordbean.**

13–31. Japan. White seed.

354917. DESMODIUM INTORTUM (Mill.) Urb. Leguminosae. **Greenleaf desmodium.**

13–202. Australia.

354918 to 354920. DOLICHOS LABLAB L. Leguminosae. **Hyacinth-bean.**

354918. 13–36. Japan. Early, white flowers.

354919. 13–205. Australia.

354920. 13–986. Jordan.

354921. PUERARIA PHASEOLOIDES (Roxb.) Benth. Leguminosae.

14–785. Australia.

354922. TETRACHNE DREGEI Nees Gramineae.

12–949. Arid Zone Research Institute, Beersheva.

354923 to 354949. HORDEUM SPONTANEUM C. Koch Gramineae. Barley.

From Israel. Seed presented by I. Wahl, Department of Botany, Tel-Aviv University, Tel-Aviv. Received September 16, 1970.

Resistant to *Puccinia hordei.*

354923. H.S. 498.
354924. H.S. 499.
354925. H.S. 501.
354926. H.S. 527.
354927. H.S. 544.
354928. H.S. 595.
354929. H.S. 597.
354930. H.S. 607.
354931. H.S. 609.
354932. H.S. 610.
354933. H.S. 612.
354934. H.S. 658.
354935. H.S. 659.
354936. H.S. 683.
354937. H.S. 687.
354938. H.S. 689.
354939. H.S. 696.
354940. H.S. 708.
354941. H.S. 774.
354942. H.S. 777.

Resistant to *Puccinia graminis tritici* 322.

354943. G–4, 1. Bat Shlomo.
354944. G–45. Rama.
354945. G–135, 1. Muhraqa junction.
354946. G–180. Hanita.
354947. G–209. Yaar Hanassi.
354948. 052, 1. HaSolelim.
354949. 066, 1. Abu Gosh.

354950 and 354951. HIBISCUS ROSA-SINENSIS L. Malvaceae. Chinese hibiscus.

From Uganda. Cuttings collected by Quentin Jones, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland. Received April 1, 1969.

354950. 69106. Grounds of Tropic Inn, Masaka. Bushy tree to 4.6 m.; leaves coriaceous; flowers 15 to 18 cm. diameter, yellow tinged with bronze, crimson center.

354951. 69107. Grounds of Tropic Inn, Masaka. Bushy tree to 3.7 m.; leaves green, coreaceous; flowers 18 cm. diameter, salmon with crimson center.

354952. CUCUMIS SATIVUS L. Cucurbitaceae. **Cucumber.**

From Denmark. Seed presented by L. Daehnfeldt, Limited, Odense. Received September 25, 1970.

'Rhinish Pickling 39/59 Hunderup S. 1964'. Plant vigorous, foliage light green. Fruit uniform, medium long, cylindrical to pointed, smooth, light green with few stripes. Early, high yield. Resistant to *Cladosporium*.

354953. NICOTIANA TABACUM L. Solanaceae. **Tobacco.**

From India. Seed presented by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received September 30, 1970.

'Ribbon'. Rajahmundry, Andhra Pradesh. Mutant.

354954. MONODORA MYRISTICA (Gaertn.) Dunal Annonaceae. **Calabash nutmeg.**

From Ghana. Seed presented by M. A. Adansi, Crops Research Institute, Ghana Academy of Sciences, Council for Scientific and Industrial Branch, Bosuso. Received September 30, 1970.

354955 to 354957.

From Brazil. Seed presented by Instituto Agronomico, Campinas, Sao Paulo. Received September 12, 1970.

354955. ALBIZIA ADIANTHIFOLIA (Schum.) W. F. Wight Leguminosae.

354956. ALBIZIA FALCATA (L.) Backer ex Merr.

354957. ALBIZIA LEBBECK (L.) Benth.

354958. PENNISETUM STRAMINEUM Peter Gramineae.

From Kenya. Stolons presented by J. G. Boonman, National Agricultural Experiment Station, Kitale. Received October 20, 1970.

K 5152. Rhizomatous perennial. Type collected in Nanyuki. Abundant on the Laikipia plateau. Local name Masai grass.

354959 to 354964. SACCHARUM (hybrid) Gramineae. **Sugarcane.**

From Argentina. Cuttings presented by Estacion Exeprimental Agricola de Tucuman, C.C. 71. Received October 21, 1970.

354959. Tucumana–66–17.
354960. Tucumana–66–42.
354961. Tucumana–66–49.
354962. Tucumana–67–10.
354963. Tucumana–68–5.
354964. Tucumana–68–19.

354965 to 355015. AVENA SATIVA L. Gramineae. **Common oat.**

From Brazil. Seed presented by Ruben Dischinger, Quaker Oats Company, Porto Alegre. Received September 9, 1970.

354965. 1. 'Balanco Carazinho'.
354966. 2. 'Bage' selection.
354967. 3. 'Farroupilha' selection.
354968. 4. 'Ascencao' selection.
354969. 5. 'Preta Portaoa' selection.
354970. 6. 'Quaker 668'.
354971. 7. 'Dischinger I'.
354972. 8. 'Dischinger II'.
354973. 9. 'Dischinger III'.
354974. 10. IAS–2 selection G262.

354965 to 355015—Continued

354975. 11. 'Iowa 270' selection.

354976. 13. 849–1 × 'Amarela Comum'.

354977. 14. 'Magnif 29' × 'Garland'.

354978. 15. 'Magnif 29' × 'Garland'.

354979. 16. 'Magnif 29' × 'Garland'.

354980. 17. 'Magnif 29' × 'Garland'.

354981. 18. 'Magnif 29' × 'Garland'.

354982. 19. 'Magnif 29' × 'Garland'.

354983. 20. 'Magnif 29' × 'Garland'.

354984. 21. 'Magnif 29' × 'Dodge'.

354985. 22. C.I. 5871 × 'Magnif 29'.

354986. 23. C.I. 5871 × 'Magnif 29'.

354987. 24. C.I. 5871 × 'Magnif 29'.

354988. 25. 'Magnif 29' × 'Bage'.

354989. 26. 'Magnif 29' × 'Bage'.

354990. 27. 'Magnif 29' × 'Diana'.

354991. 28. IAS–2 × 'Diana'.

354992. 29. 'Diana' × RL 2793.

354993. 30. 'Diana' × RL 2793.

354994. 31. 'Clintland 64' × RL 2793.

354995. 32. C.I. 8081 derivative.

354996. 33. C.I. 8081 derivative.

354997. 34. C.I. 8081 derivative.

354998. 35. C.I. 8081 derivative.

354999. 36. C.I. 8081 derivative.

355000. 37. 652 × GLD × 481–5.

355001. 38. 1205.

355002. 39. 1205.

355003. 40. C.I. 8040 × C.I. 7448.

355004. 41. 'Lodi' × 'Brasil 1293'.

355005. 42. 'Quaker 604' × C.I. 7920.

355006. 43. 'Quaker 604' × C.I. 7920.

355007. 44. 'Quaker 604' × 'Rodney'.

355008. 45. C.I. 8081 × C.I. 7918.

355009. 46. C.I. 8081 × C.I. 7918.

355010. 47. C.I. 8081 × C.I. 7918.

355011. 48. C.I. 8081 × C.I. 7918.

355012. 49. C.I. 8081 × C.I. 7918.

355013. 50. C.I. 8081 × C.I. 7918.

355014. 51. 'Quaker 604' × 'Roanoke'.

355015. 52. 'Quaker 604' × 'Roanoke'.

355016 to 355023. ZEA MAYS L. Gramineae. **Corn.**

From Kenya. Seed presented by L. H. Penney, Maize Genetics, East African Agriculture and Forestry Research Organization, Kitale. Received October 26, 1970.

355016. 'Embu Composite 1'. Kenya.

355017. 'Embu Composite 2'. Kenya.

355018. 'Ilonga Composite A'. Tanzania.

355019. 'Ilonga Composite B white'. Tanzania.

355020. 'Ilonga Composite B Full (white)'. Tanzania.

355021. 'Katumani Synthetic 7'. Kenya.

355022. 'Katumani Synthetic 8'. Kenya.

355023. 'Kitale Composite F'. Kenya.

355024. ECBALLIUM ELATERIUM (L.) A. Rich Cucurbitaceae. **Squirting cucumber.**

From Greece. Seed collected by H. S. Gentry, agricultural explorer, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland. Received October 9, 1970.

22751. Near Marathon, Greece. Perennial ground vine with pale yellow flowers. Weed in fields near sea.

355025 and 355026.

From Japan. Seed presented by Ministry of Agriculture and Forestry through T. J. Watanabe, Office of Agricultural Attache, American Embassy, Tokyo. Received December 18, 1969.

355025. CEPHALOTAXUS HARRINGTONIA (Forbes) K. Koch. Taxaceae. Kochi Prefecture, Shikoku. Local name Inukaya.

355026. CEPHALOTAXUS HARRINGTONIA var. NANA (Nakai) Rehder Hokkaido. Hokkaido.

355027 to 355031. CITRUS LIMON (L.) Burm. f. Rutaceae. **Lemon.**

From India. Seeds presented by K. C. Srivastava, Horticultural Farm, Gonicopal, South Coorg, Mysore State. Received October 28, 1970.

355027. 'Attari'.

355028. 'Kata Jamir'.

355029. 'Moogunimbe'.

355030. 'Soh-myndong'.

355031. Indian rough lemon.

355032 to 355045.

From United States. Seed collected by A. S. Barclay, Plant Science Research Division, Plant Industry Station, Beltsville, Md. Received October 9, 1970.

355032. LEAVENWORTHIA ALABAMICA Rollins Cruciferae.

3089. Along Franklin County Road No. 87, about 4.4 km. north of junction with State Highway 24, about 14.5 km. east of Russellville, Franklin County, Ala. Annual, stems ascending from central taproot. Locally abundant in old field near limestone glade.

355033. LESQUERELLA ANGUSTIFOLIA (Nutt. ex Torr. & Gray) Wats. Cruciferae.

3098. On U.S. Highway 70, 7.0 km. east of Sawyer, Choctaw County, Okla. Strictly erect annual, locally abundant in thin soil on fossiliferous limestone between road and railroad tracks.

355034. LESQUERELLA ARGYRAEA (Gray) Wats.

3072. 6.4 km. south of aZpata on U.S. Highway 83, about 1.7 km. west of highway on side road to Falcon Lake, Zapata County, Tex. Sprawling to ascending annual, locally abundant in sandy soil along road margin.

355032 to 355045—Continued

355035. LESQUERELLA DENSIPILA Rollins

3090. Horton State Park, near junction of U.S. Highway 31A and Duck River, Marshall County, Tenn. Erect annual, growing in field in park, especially in more disturbed areas.

355036. LESQUERELLA ENGELMANNII (Gray) Wats.

3115. Along U.S. Highway 183, 14.5 km. southeast of Lampasas, Burnet County, Tex. Erect perennial, to 5 dm. in height, flowers yellow; some plants in population especially robust. Abundant in thin, caliche soil on road margin.

355037. LESQUERELLA FENDLERI (Gray) Wats.

3083. On Farm Road 1572, 3.7 km. east of Spofford, Kinney County, Tex. Erect annual, forming solid strands on road margin; caliche soil.

355038. LESQUERELLA GRACILIS (Hook.) Wats.

3110. On U.S. Highway 45W, 2.7 km. north of Okolona, Chickasaw County, Miss. Ascending to nearly erect annual, stems to 8 dm. in length, flowers yellow. Abundant in fallow field in blackland soil.

355039. LESQUERELLA GRANDIFLORA (Hook.) Wats.

3086. 24.1 km. south of Pleasanton on U.S. Highway 281, Atascosa County Tex. Ascending annual, growing on low sandy hills near highway.

355040. LESQUERELLA LASIOCARPA (Hook. ex Gray) Wats.

3068. 4.8 km. north of San Ignacio along U.S. Highway 83, Zapata County, Tex. Annual herb, stems ascending; abundant in flats among bushes and shrubs near dry wash, sandy soil.

355041. LESQUERELLA PERFORATA Rollins

3091. Along U.S. Highway 70, just west of Lebanon city limits, Wilson County, Tenn. Erect annual, growing on disturbed road margin bordering recently cleared field.

355042. LESQUERELLA STONENSIS Rollins

3092. Along Jefferson Pike road, 4.8 km. northwest of Waterhill, Rutherford County, Tenn. Erect to ascending annual, flowers white. Locally abundant on flood plain of Stones River near road.

355043. SELENIA AUREA Nutt. Cruciferae.

3087. On U.S. Highway 64, 4.4 km. north of Warner, Muskogee County, Okla. Erect to ascending annual, flowers yellow. Locally abundant no barren, rocky (sandstone) road margin.

355044. STOKESIA LAEVIS (Hill) Greene Compositae.

3123. On U.S. Highway 90 between Bay St. Louis and Pearlington, Hancock County, Miss. Perennial from rootstocks, forming clumps, flowers lavender. Scattered along open road margin in moist, grassy area, stiff soil. Pine woodland.

355045. SYNTHLIPSIS GREGGII Gray. Cruciferae.

3067. Along U.S. Highway 83, 4.8 km. north of San Ignacio, Zapata County, Tex. Hills and bluffs near Rio Grande. Annual, stems numerous from taproot, ascending, seed retention excellent. On rocky (sandstone) slopes and flats.

355046. LESQUERELLA sp. Cruciferae.

From United States. Seed collected by G. A. White, Plant Science Research Division, Plant Industry Station, Beltsville, Md. Received October 20, 1970.

Along U.S. Highway 26 just west of Hell's Half Acre, Wyo. Perennial, basal rosette of linear leaves; capsules small, 2 to 4 seeded. Sandy road margin.

355047 to 355054.

From Iran. Seed collected at Seed and Plant Improvement Institute, Karadj by H. M. Munger, Department of Vegetable Corps, Cornell University, Ithaca, New York. Received September 24, 1970.

355047. ALLIUM CEPA L. Liliaceae. 'Ilkhchi'. **Onion.**

355048 to 355051. CUCUMIS MELO L. Cucurbitaceae. **Muskmelon.**

355048. 'Abas-Shori'. Long melon.

355049. 'Karaj Yellow'. Long melon.

355050. 'Khagani'.

355051. 'Samsori'.

355052 and 355053. CUCUMIS SATIVUS L. **Cucumber.**

355052. 'Beil Alpha'. Israel.

355053. 'Beilankoh'.

355054. CUCURBITA MAXIMA Duchesne Cucurbitaceae. **Squash.**

'Mosamai'. Reported to carry mosaic resistance.

355055. CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.

From Iran. Seed collected at Seed and Plant Improvement Center, Office of Agriculture, Isfahan, by H. M. Munger, Department of Vegetable Crops, Cornell University, Ithaca, New York. Received September 24, 1970.

'Isfahan'. Grown because of good flavor.

355056. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

From Greece. Seed collected at Truck Crop and Seed Control Institute, Attica, by H. M. Munger, Department of Vegetable Crops, Cornell University, Ithaca, New York. Received September 24, 1970.

'Argitico'. Good flavor.

355057. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Thailand. Seed presented by Smith Thepen, Agunda Farm, Packchong, Korat through H. M. Munger, Department of Vegetable Crops, Cornell University, Ithaca, New York. Received September 24, 1970.

Selection from Louisiana 3 ('Red Globe'). Sets fruit at high temperature.

355058 to 355060. HIBISCUS SABDARIFFA L. Malvaceae. Roselle.

From Indonesia. Seed presented by H. Azis, Industrial Crops Research Institute, Bogor. Received June 24, 1970.

355058. HS–1.

355059. HS–34.

355060. HS–53.

355061 to 355063. LASIURUS SINDICUS Henr. Gramineae.

From India. Seed presented by the Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received October 23, 1970.

355061. 'CAZRI 318'. Jodhpur. 1968.

355062. 'CAZRI 353'. Mohangarh, Jaisalmer, Rajasthan. 1966.

355063. 'CAZRI 565'. Mawa, Jaisalmer, Rajasthan. 1968.

355064 and 355065.

From Trinidad. Seed presented by the Department of Crop Science, University of the West Indies, St. Augustine. Received October 20, 1970.

355064. MURRAYA KOENIGII (L.) Spreng. Rutaceae.

355065. RAVENIA SPECTABILIS (Lindl.) Engler Rutaceae.

355066. HOYA sp. Asclepiadaceae.

From New Guinea. Seed presented by J. S. Womersley, Division of Botany, Department of Forests, Lae. Received September 30, 1970.

N.G.F. 43673. Patep.

355067 to 355070. GLYCINE MAX (L.) Merr. Leguminosae. **Soybean.**

From Hawaii. Seed presented by the College of Tropical Agriculture, University of Hawaii, Honolulu. Received October 27, 1960.

355067. 'Kahala'.
355068. 'Kaikoo'.
355069. 'Kailua'.
355070. 'Mokapu'.

355071 and 355072. NICOTIANA TABACUM L. Solanaceae. **Tobacco.**

From Switzerland. Seed presented by R. Corbaz, Sota Experiment Station, Nyon. Received October 12, 1970.

355071. T.I. 1505. 'Mont-Calme Brun'. Resistant to black rot and PVYn.

355072. T.I. 1506. Chemical mutant with good field resistance to blue mold.

355073 to 355076. NICOTIANA TABACUM L. Solanaceae. **Tobacco.**

From Australia. Seed presented by R. Worden, Tobacco Research Station, Myrtleford, Victoria. Received October 21, 1970.

355073. 'R.A.821'. Backcross line with resistance to blue mold derived from *N. goodspeedii.*

355074. 'R.A.824'. Backcross line with resistance to blue mold derived from *N. velutina.*

355075. T.I. 1507. 'Sirogo'. Resistant to blue mold.

355076. T.I. 1508. 'Sirone'. Resistant to blue mold.

355077 to 355090. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

From Iran. Seed collected originally in 1968 by M. L. Peterson, Department of Agronomy, University of California, Davis, California. Grown at Davis, 1969. Received October 26, 1970.

355077. MLP 68–1. Seydas.
355078. MLP 68–2. Tokme.
355079. MLP 68–3.
355080. MLP 68–4.
355081. MLP 68–5.
355082. MLP 68–6.
355083. MLP 68–7.
355084. MLP 68–8.
355085. MLP 68–9.
355086. MLP 68–10.
355087. MLP 68–11.
355088. MLP 68–12.
355089. MLP 68–13.
355090. MLP 68–14.

355091. MUCUNA ATERRIMA (Piper & Tracy) Holland. Leguminosae.

From Colombia. Seed presented by R. Henderson, Barranquilla. Received October 29, 1970.

NU 20304. Collected September, 1957.

355092. MUCUNA DEERINGIANA (Bort) Merr. Leguminosae.

From United States. Seed purchased from Reuter Seed Company, New Orleans, La. Received October 29, 1970.

NU 14539. April, 1957.

355093 to 355127. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

From United States. Seed from sources indicated and presented by J. W. Clark, Elkton, Md. Received March 2, 1970.

355093 to 355127—Continued

355093. 'Armstrong W218'. 63 days. W. H. Perron, Montreal, Canada.

355094. 'Bielyj Naliw'. Department of Vegetable Crops, Institute of Soil Science and Culture of Plants, Skierniewicz, Poland.

355095. 'Brehms Solid Red'. Ottis Twilley, Salisbury, Md.

355096. 'Cloche Wonder'. Provincial Horticulture Station, Brooks, Alberta, Canada.

355097. 'Early Detroit'. Pink. Stokes Seeds, Saint Catharines, Ontario, Canada.

355098. 'Early Pak No. 7'. D. V. Burrell Seed Growers Company, Rocky Ford, Colorado.

355099. 'Ferguson'. 80 days. W. H. Perron, Montreal, Canada.

355100. 'Fruhstamm'. Karl Helds, 7142 Morbach Nicka, Germany.

355101. 'Fundy'. Canada Department of Agriculture, Research Station, Kentville, Nova Scotia, Canada.

355102. 'K 51'. Canada Department of Agriculture, Research Station, Nova Scotia, Canada.

355103. 'Ken'. Bush type. Canada Department of Agriculture, Research Station, Kentville, Nova Scotia, Canada.

355104. 'Kenearly'. Canada Department of Agriculture, Research Station, Kentville, Nova Scotia, Canada.

355105. 'Labrador Improved'. 62 days. W. H. Perron, Montreal, Canada.

355106. 'Luscijiz Vesh 318'. Vavilov Institute of Plant Industry, Leningrad, Soviet Union.

355107. 'Leningradskij Skorospelyj'. Vavilov Institute of Plant Industry, Leningrad, Soviet Union.

355108. 'Minskij Rannij'. Vavilov Institute of Plant Industry, Leningrad, Soviet Union.

355109. 'Morden BB3'. Morden Research Station, Morden, Manitoba, Canada.

355110. 'Napoli'. Plum type. Peto Seed Company, Saticoy, Calif.

355111. 'Neuzucht 311'. Haubners, Germany.

355112. 'Orange Slicer'. Henry Field Seed and Nursery Company, Shenandoah, Iowa.

355113. 'Quebec No. 5'. 58 to 60 days. Fruit early, dark red, average size, good quality. Horticultural Services, Department of Agriculture and Colonization, Montreal, Quebec, Canada.

355114. 'Quebec 13'. 62 to 63 days. Fruits 7 to 8 ounces; plants medium size. Horticultural Services, Department of Agriculture and Colonization, Montreal, Quebec, Canada.

355115. 'Quebec 59'. 66 to 69 days. Fruits large, flattened globe: early market. Horticultural Services, Department of Agriculture and Colonization, Montreal, Quebec, Canada.

355116. 'Quebec 245'. 63 to 65 days. Fruits pink, medium, early. Horticultural Services, Department of Agriculture and Colonization, Montreal, Quebec, Canada.

355117. 'Quebec 309'. 59 to 61 days. Horticultural Services, Department of Agriculture and Colonization, Montreal, Quebec, Canada.

355118. 'Quebec 314'. 59 to 60 days. Horticultural Services, Department of Agriculture and Colonization, Montreal, Quebec, Canada.

355119. 'Rotkappchen'. Eugen Fetzer, 8710 Kitzingen Main, Germany.

355120. 'Scarlet Slicer'. Henry Field Seed and Nursery Company, Shenandoah, Iowa.

355093 to 355127—Continued

355121. 'Scotia'. Canada Department of Agriculture Research Station, Kentville, Nova Scotia, Canada.

355122. 'Sekai Ichi'. Fujita Seed Company, Osaka, Japan.

355123. 'Sugar Lump'. J. W. Jung Seed Company, Randolph, Wis.

355124. 'Teplicnyj VTR 1805'. Vavilov Institute of Plant Industry, Leningrad, Soviet Union.

355125. 'Vollendung HZ'. Haubners, Germany.

355126. 'World Best'. Takii and Company, Ltd., Kyoto, Japan.

355127. 'Yozo'. Fujita Seed Company, Osaka, Japan.

355128. GOSSYPIUM HIRSUTUM L. Malvaceae. **Upland cotton.**

From Nicaragua. Seed presented by Carlos R. Pineda, Centro Experimental del Algodon, Managua. Received October 20, 1970.

Deciduous, bractlet type.

355129 to 355132. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

From Poland. Seed presented by J. Brykczynski, Stacja Hodowli Roslin, Laski. Received October 27, 1970.

355129. 'Dana'. Winter.

355130. 'Grana'. Winter.

355131. 'Helenka'. Winter.

355132. 'Luna'. Winter.

355133 to 355140.

From Netherlands. Seed presented by A. C. Zeven, Institute of Plant Breeding, Wageningen. Received October 26, 1970.

355133 and 355134. AVENA SATIVA L. Gramineae. **Common oat.**

355133. 'Bento'. Winter.

355134. 'Civena'.

355135 to 355140. HORDEUM VULGARE L. Gramineae. **Barley.**

355135. 'Alfor'. 2-row spring.

355136. 'Borac'. 2-row spring.

355137. 'Jumbo'. 6-row winter.

355138. 'Leon'. 6-row winter.

355139. 'Manurka'. 6-row winter.

355140. 'Pella'. 6-row winter.

355141. PLATANUS ORIENTALIS L. Platanaceae. **Oriental plane tree.**

From Israel. Seed collected by Y. Baros, Botanical Garden, The Hebrew University of Jerusalem, Jerusalem. Received September 21, 1970.

Tree from Galilee.

355142 to 355144. HORDEUM VULGARE L. Gramineae. **Barley.**

From India. Seed presented by Punjab Agricultural University, Ludhiana, through Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received October 12, 1970.

355142. 'Bactori 10'.

355143. 'Brachyto 119'.

355144. 'NP 13'. Dwarf.

355145. TECOMANTHE DENDROPHILA (Blume) K. Schum. Bignoniaceae.

From New Guinea. Seed presented by J. S. Womersley, Division of Botany, Department of Forests, Lae. Received October 26, 1970.

Lae Botanic Garden. Vigorous climber; flowers rose pink in pendulous cluster, each to 10 cm. long.

355146. IMPATIENS PUBERULA DC. Balsaminaceae.

From India. Seed collected in 1967 by A. K. Sharma, Department of Botany, University of Calcutta, Calcutta, under Public Law 480 Project A7–CR–102. Received October 26, 1967.

Eastern Himalayas.

355147. IMPATIENS FLEMINGII Hook f. Balsaminaceae.

From Pakistan. Seed collected June 9, 1965 by Eugene Nasir, Gordon College, Rawalpindi, under Public Law 480 Project A7–CR–5. Received October 26, 1970.

3618. Kuldana. Elevation 1,830 m. Annual herb; leaves sharply toothed; flowers pink and white, spur to 4 cm. long.

355148 to 355151. SACCHARUM (hybrid) Gramineae. **Sugarcane.**

From Malaysia. Cuttings presented by the Faculty of Agriculture, University of Malaya, Kuala Lumpur. Received November 12, 1970.

355148. 70/018/PK.
355149. 70/019/PK.
355150. 70/021/NS PSP No. 01.
355151. 70/022/NS PSP No. 02.

355152 to 355251.

From Union of Soviet Socialist Republics. Seed presented by the N. Vavilov Institute of Plant Industry, Leningrad. Received October 15, 1970.

355152 to 355157. LOTUS CORNICULATUS L. Leguminosae. **Birdsfoot trefoil.**

355152. 25495. 'Yegeva 179'. Estonia.
355153. 27149. 'Kubanskii 44'. The Ukraine.
355154. 27276. 'Morsvanskii 528'. Tambov region.
355155. 31562. 'Gelsvis'. Lithuania.
355156. 32722. 'Dedinovskii'. Moscow region.
355157. 33217. 'Moskovskii 25'. Moscow region.

355158. TRIFOLIUM ALEXANDRINUM L. Leguminosae. **Berseem clover.**

31044. 'Uzros'. Uzbekistan.

355159 to 355248. TRIFOLIUM PRATENSE L. **Red clover.**

355159. 15691. Arkhangelsk region. Wild.
355160. 19507. Kirghiz Soviet Socialist Republic. Wild.
355161. 19612. 'Podolskii'. The Ukraine. Local type.
355162. 20138. 'Belotserkovskii 3306'. The Ukraine. Local type.
355163. 22430. North Ossetian Autonomous Soviet Socialist Republic. Wild.
355164. 23473. 'Hibinski 1'. Murmansk region.
355165. 24745. Sverdlovsk region. Wild.
355166. 25093. 'Kamalinskii 304'. Krasnoyarsk territory.
355167. 25710. 'Marusinskii 150'. Tambov region.
355168. 25748. 'Chuiskii'. Kirghizia.
355169. 26047. 'Sivorichkii 416'. Leningrad region.
355170. 26638. 'Makarovskii'. Kursk region. Local type.
355171. 26702. 'Frunzenskii'. Kirghizia.

355152 to 355251—Continued

355159 to 355248—Continued

355172. 26774. 'Gribanovskii'. Voronez region. Local type.
355173. 26822. 'Vadskii'. Gorki region (Nizhui Novgorod). Local type.
355174. 26825. 'Krasnoufimskii 882'. Sverdlovsk region.
355175. 26846. 'Sahovskii'. Moscow region. Local type.
355176. 26863. 'Amurskii 11'. Amur region.
355177. 27107. 'Moskovskii 1'. Moscow region.
355178. 27211. Leningrad region. Wild.
355179. 27227. Krasnodar territory. Wild.
355180. 27238. Krasnodar territory. Wild.
355181. 27295. Komi Autonomous Soviet Socialist Republic. Wild.
355182. 27409. 'Glukhovskii'. The Ukraine. Local type.
355183. 27492. Tadzhik Soviet Socialist Republic. Wild.
355184. 27493. Tadzhik Soviet Socialist Republic. Wild.
355185. 27595. 'Minskii'. Belorussia. Local late type.
355186. 27616. 'Gdovskii'. Paskov region. Local type.
355187. 27618. 'Tolmachkii'. The Ukraine. Local type.
355188. 27669. 'Primorskii 28'. Primorsk province.
355189. 27675. Altai territory. Wild.
355190. 27751. Kirghizia Soviet Socialist Republic. Wild.
355191. 27793. 'Yegeva 205'. Estonia.
355192. 28295. Bashkir Soviet Socialist Republic. Wild.
355193. 28477. Leningrad region. Wild.
355194. 28484. Novgorod region. Wild.
355195. 28487. Novgorod region. Wild.
355196. 28694. Novgorod region. Wild.
355197. 28849. Armenian Soviet Socialist Republic. Wild.
355198. 29254. Krasnodar territory. Wild.
355199. 29259. Krasnodar territory. Wild.
355200. 29408. Krasnoyarsk territory. Wild.
355201. 29414. Krasnoyarsk territory. Wild.
355202. 29513. Sakhalin region. Wild.
355203. 29519. Sakhalin region. Wild.
355204. 29526. Sakhalin region. Wild.
355205. 29749. Arkhangelsk region. Wild.
355206. 29751. Krasnodar territory. Wild.
355207. 29759. Krasnodar territory. Wild.
355208. 29760. Kirghizia Soviet Socialist Republic. Wild.
355209. 29767. Georgian Soviet Socialist Republic. Wild.
355210. 29774. 'Liepsna'. Lithuania.
355211. 29848. 'Batichevskii'. Smolensk region.
355212. 29859. Vologda region. Wild.
355213. 30116. Armenian Soviet Socialist Republic. Wild.

355152 to 355251—Continued

355159 to 355248—Continued

355214. 30159. Chelyabinsk region. Wild.

355215. 30165. Sverdlovsk region. Wild.

355216. 30175. Krasnodar territory. Wild.

355217. 30720. Krasnoyarsk territory. Wild.

355218. 30794. Sverdlovsk region. Wild.

355219. 30812. 'Permskii'. Perm region. Local type.

355220. 30891. Georgian Soviet Socialist Republic. Wild.

355221. 30907. Armenian Soviet Socialist Republic. Wild.

355222. 31320. Tadzhik Soviet Socialist Republic. Wild.

355223. 31557. 'Trudovik'. Kalinin region.

355224. 31744. 'Pskovskii'. Pskov region. Local type.

355225. 31829. Altai territory. Wild.

355226. 31853. Altai territory. Wild.

355227. 31868. 'Yegeva 433'. Estonia.

355228. 32137. 'Kilmezskii'. Kirov region. Local type.

355229. 32143. 'Pechorskii'. Komi Autonomous Soviet Socialist Republic. Improved selection.

355230. 32158. 'Kirovskii 159'. Kirov region.

355231. 32189. Komi Autonomous Soviet Socialist Republic. Wild.

355232. 32745. Altai territory. Wild.

355233. 32762. 'Siliryak'. Irkutsk region. Local type.

355234. 32763. 'Uladovskii 34'. The Ukraine.

355235. 32799. 'Kaolomskii'. Ryazan region. Local type.

355236. 33102. Krasnodar territory.

355237. 33263. 'Gadiakskii'. Poltava region. Local type.

355238. 33264. 'Smolenskii 29'. Smlensk region.

355239. 33265. 'Stendskii'. Latvia. Late type.

355240. 33638. Arkhangelsk region. Wild.

355241. 33708. 'Michurinskii'. Tambov region. Local type.

355242. 33890. 'Posekhono-Volodarskii'. Yaroslavl region. Local type.

355243. 34360. 'Birskii'. Bashkiria. Local single cut type.

355244. 34368. 'Sluczkii'. Byelorussia. Early local type.

355245. 34400. Kazakh Soviet Socialist Republic. Wild.

355246. 34471. 'Nosovskii 5'. The Ukraine.

355247. 34620. Moscow region. Late hybrid.

355248. 34622. The Ukraine. Local improved type.

355249 to 355251. TRIFOLIUM RESUPINATUM L. Persian clover.

355249. 23493. '21(1–2) AZNIHI'. Azerbaijan.

355250. 27732. '88 AZNIHI'. Azerbaijan.

355251. 35260. 'Vakhsskii 3'. Tadzhikistan.

355252. ALLIUM CEPA L. Liliaceae. Onion.

From Sweden. Bulbs presented by the University of Goteborg. Received November 17, 1970.

Originally from Bazaar at Kabul, Afghanistan.

355253 to 355288. ARACHIS HYPOGAEA L. Leguminosae. Peanut.

From United States. Seed collected originally in Mexico and grown in 1969 by C. E. Simpson, Tarleton Experiment Station, Stephenville, Tex. Received July 30, 1970.

355253. No. 9. Crillo. Jalisco. Bulk sample, 1967.

355254. No. 11. Rojo. Nayarit, Jalisco. Bulk sample, 1967.

355255. No. 13. Saint Anita. Arca del Guadalajara. October 1966.

355256. No. 14. Ahualulco. October 1966.

355257. No. 14A. Ahualulco. October 1966.

355258. No. 15. Roso. 1966.

355259. No. 16. Morelas cos en Los Belenes. 1966.

355260. No. 17. Mezcla. Blanco Crillo Ags. 1966.

355261. No. 18. No data.

355262. No. 18. Mezcla. October 1967.

355263. No. 19. Zacoalco de Torres, Jalisco.

355264. No. 19A. No data.

355265. No. 19B. No data.

355266. No. 20. Dark Mezcla. October 1967.

355267. No. 21. Sinoloa 67. Cosednndo a mano.

355268. No. 22. Almacenado sin cascara. 1966.

355269. No. 23. No data.

355270. No. 23. Grand Atlixco. October 1967.

355271. No. 24. No data.

355272. No. 26. No data.

355273. No. 26. Costales DK/67. Blanco del Rio Segando.

355274. 'Florida Gigante Cos'. Delia PNS. 1966.

355275. 'Gigante Rostrera'.

355276. 'Guerrero 1'.

355277. 'Guerrero 4'.

355278. 'Improved Spanish'.

355279. 'Jumbo 2'.

355280. 'Los Medanos'.

355281. 'Manfredi Champaign'.

355282. 'Morelos 3'.

355283. 'Red No. 9'.

355284. 'R–F–132'.

355285. 'Star 67–68'. Lincoln del Fuerte. Spanish type.

355286. 'Tuxpan 2'.

355287. 'V–B46–2'.

355288. 'Veracrang-2'. Ed. Guzman.

355289. PANAX QUINQUEFOLIUS L. Araliaceae. Ginseng.

From Korea. Seed presented by Yong Rae Kim, Chungnam National University, Taejon through United States Agency for International Development, Seoul. Received October 28, 1970.

'Korean Purple Stemmed'.

355290. HIBISCUS CARDIOPHYLLUS A. Gray Malvaceae.

From Mexico. Seed collected by L. A. Spetzman, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland. Received September 9, 1970.

LS–1369A. Along Highway 40 between Saltillo, Coahuila and Monterrey on steep mountain slope. Red-flowered herb to 30 cm., very beautiful.

355291 to 355293. BETA VULGARIS L. Chenopodiaceae. **Sugarbeet.**

From Israel. Seed presented by Tzvi Soleil, Department of Plant Pathology, The Volcani Institute of Agricultural Research, Beit Dagan. Received November 1, 1970.

355291. 'Cultivar 60'.

355292. 'Cultivar 131'.

355293. 'Zwaanesse III'.

355294 and 355295. AVENA SATIVA L. Gramineae. **Common oat.**

From England. Seed presented by R. Flavell, Plant Breeding Institute, Trumpington, Cambridge. Received November 6, 1970.

355294. 'AJ 109/5'.

355295. 'Maris Osprey'.

355296. TRITICUM DURUM Desf. Gramineae. **Durum wheat.**

From Mexico. Seed presented by the International Maize and Wheat Improvement Center, Londres 40, Mexico D.F. Received November 3, 1970.

'Jori'.

355297 to 355307.

From New Guinea. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland for USDA-Longwood Cooperative Program. Received April 1, 1970.

355297. ALPINIA sp. Zingiberaceae.

372. Steep hillside below Oregenang Village. Elevation 1,189 m. Terrestrial herb to 1.5 m.; leaves long oblanceolate, long leaf sheath; inflorescence to 30 cm., branched; fruits many, obovoid, bright orange to 4 cm. long, in tight clusters 13 by 13 cm. Wild.

355298. ALPINIA sp.

628. Along trail Keglsugl to Mt. Wilhelm. Terrestrial herb to 2.7 m.; inflorescence a terminal cone of yellow flowers; fruits, 3 valved, red. Wild.

355299. ALPINIA sp.

629. Along trail Keglsugl to Mt. Wilhelm. Terrestrial herb to 1.8 m.; flowers from old canes with dry leaves, white, tipped red. Wild.

355300. ALPINIA sp.

632. Along trail Keglsugl to Mt. Wilhelm. Terrestrial herb to 76 cm.; inflorescence terminal; flowers orange at base, tips yellow, 2.5 cm. long. Wild.

355301. ALPINIA sp.

639. Along trail to Mt. Wilhelm near Keglsugl air strip. Strongly growing herb to 3 m.; leaves 60 cm. long by 15 cm. wide; inflorescence a terminal cone of small dark red flowers, to 23 cm. long. Wild.

355302. AMOMUM sp. Zingiberaceae.

482. Oomsis Forestry Station. Elevation 500 m. Terrestrial herb to 3 m.; inflorescence on short spearate basal stem; flowers white with yellow throat; fruits 2.5 cm. diameter, round, spiny. Fruits edible. Wild.

355297 to 355307—Continued

355303. Cissus sp. Vitaceae.

485. Oomsis Forestry Station. Elevation 500 m. Semiwoody climber; flowers small, in cymes 2.5 cm. diameter; fruit black to 1 cm.; leaf lanceolate, entire. Wild.

355304. Eugenia sp. Myrtaceae.

767. Department of Forests, Brown River. Elevation 100 m. Slender shrub to 1.2 m.; leaves to 18 cm. long; flowers born singly. bright pink, to 8 cm. long; fruit 5 cm. long, bright red. Wild.

355305. Microcitrus sp. Rutaceae.

763. Department of Forests, Brown River. Shrub to 1.5 m., slender leaves tiny; twigs spiny; fruit 1.5 cm. by 6 cm., yellow at maturity, strong odor of lime. Wild.

355306. Rhododendron aurigeranum Sleum. Ericaceae.

14. Compartment No. 2, Beenleigh Creek. Elevation 1,189 m. Terrestrial woody shrub to 2 m.; flowers pure yellow to pale orange. Wild.

355307. Undetermined. Palmae.

371. Steep hillside below Oregenang Village. Elevation 1,220 m. Pinnate leaved palm to 12 m.; trunk clean, straight, 15 cm. diameter. Wild.

355308. Undetermined. Palmae.

From Australia. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland, for USDA-Longwood Cooperative Program. Received February 5, 1970.

12-A. Natural Arch Park, southern Queensland. Slender understory palm to 3 m.; leaves pinnately compound to 1 m. long. Seeds small, bright red, borne on slender, branched spikes arising from the trunk, below the leaves. Wild.

355309. Hoya sp. Asclepiadaceae.

From New Guinea. Cuttings collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland for USDA-Longwood Cooperative Program. Received March 9, 1970.

490. Oomsis Forestry Station. Elevation 500 m. Vigorous vine. Wild.

355310. Musa uranoscopos Lour. Musaceae.

From Philippines. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division .Plant Industry Station, Beltsville, Maryland for USDA-Longwood Cooperative Program. Received April 14, 1970.

789. Horticulture Division, Department of Agronomy, University of Philippines, Laguna. Herb to 3 m.; leaves large, flower bracts large, pink; fruit reddish. Cultivated.

355311 to 355383. Saccharum (hybrid) Gramineae. Sugarcane.

From New Hebrides. Cuttings presented by the Department of Agriculture, Port Vila. Received November 6, 1970.

355311. NH 70–1.
355312. NH 70–2.
355313. NH 70–3.
355314. NH 70–4.
355315. NH 70–5.
355316. NH 70–6.
355317. NH 70–7.
355318. NH 70–8.
355319. NH 70–9.
355320. NH 70–10.
355321. NH 70–11.
355322. NH 70–12.
355323. NH 70–13.
355324. NH 70–15.

355311 to 355383—Continued

355325. NH 70–16.
355326. NH 70–17.
355327. NH 70–18.
355328. NH 70–19.
355329. NH 70–20.
355330. NH 70–21.
355331. NH 70–23.
355332. NH 70–24.
355333. NH 70–25.
355334. NH 70–26.
355335. NH–70–27.
355336. NH 70–28.
355337. NH 70–29.
355338. NH 70–30.
355339. NH 70–31.
355340. NH 70–32.
355341. NH 70–33.
355342. NH 70–34.
355343. NH 70–35.
355344. NH 70–36.
355345. NH 70–37.
355346. NH 70–38.
355347. NH 70–39.
355348. NH 70–40.
355349. NH 70–41.
355350. NH 70–42.
355351. NH 70–43.
355352. NH 70–44.
355353. NH 70–45.
355354. NH 70–46.
355355. NH 70–47.
355356. NH 70–48.
355357. NH 70–49.
355358. NH 70–50.
355359. NH 70–51.
355360. NH 70–52.
355361. NH 70–54.
355362. NH 70–55.
355363. NH 70–56.
355364. NH 70–57.
355365. NH 70–58.
355366. NH 70–59.
355367. NH 70–60.
355368. NH 70–61.
355369. NH 70–62.
355370. NH 70–63.
355371. NH 70–64.
355372. NH 70–65.
355373. NH 70–66.
355374. NH 70–67.
355375. NH 70–68.
355376. NH 70–69.
355377. NH 70–70.
355378. NH 70–71.
355379. NH 70–72.
355380. NH 70–73.
355381. NH 70–74.
355382. NH 70–75.
355383. NH 70–76.

355384. ATALANTIA sp. Rutaceae.

From New Guinea. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division. Plant Industry Station, Beltsville, Maryland, for USDA-Longwood Cooperative Program. Received April 14, 1970.

764. Department of Forests, Brown River. Slender understory shrub to 1.2 m., leaves to 4 cm. long, ovate, margin crenulate on terminal two-thirds; fruit slightly obovoid to 2.5 cm. long bright red. Wild.

355385 and 355386.

From New Guinea. Seed collected by H. F. Winters and J. J. Higgins, Plant Science Research Division, Plant Industry Station, Beltsville, Maryland for USDA-Longwood Cooperative Program. Received April 8, 1970.

355385. HOYA sp. Asclepiadaceae.

752A. Itikinumu Hill near Sirunumu Village, Ogatama. Slender twining vine; leaves long-oblong, tapering at both ends, apex acute, 1.5 cm. by 7 cm. Light green, fleshy.

355385 and 355386—Continued

355386. MUCUNA sp. Leguminosae.

872. Botanical Garden, Department of Forests. Flowering vine.

355387. LIVINGSTONIA OLIVAEFORMIS Mart. Palmae.

From Brazil. Seed presented by B. V. Skvortzov, Instituto de Botanica, Caixa Postal 4005, Sao Paulo. Received October 22, 1970.

355388. RUBUS IDAEUS L. Rosaceae. **European raspberry.**

From Switzerland. Plants presented by Hermann Zulauf, Schinznach-Dorf. Received November 19, 1970.

'Zeva Herbsternte'.

355389 to 355433.

From Ecuador. Seed collected by C. M. Rick, Jr., Department of Vegetable Crops, University of California, Davis. Received October 6, 1970.

355389. BROWALLIA sp. Solanaceae.

SAM 2640. Cerros, northeast of Guayaquil. Common at elevations from 10 to 200 m. Very showy annual to 50 cm. spreading, much like garden *Browallia* species. Flowers abundant, white, light blue to sky blue.

355390. BROWALLIA sp.

SAM 2646. North slopes of Pinas, El Oro Province. Elevation 1,500 m. Common along trails. Bright, dark blue annual, possibly *B. elatior*. Bulk seed from plants with different colored flowers.

355391. CAJANUS CAJAN (L.) Millsp. Leguminosae. **Pigeon pea.**

SAM 2672. 'Frejol Pardito'. Mercado del Sur, Guayaquil. Predominant type. Seed small, 6 to 7 mm., nearly spherical, light tan colored with dark spots at hilum.

355392. CAPSICUM sp. Solanaceae.

SAM 2649. 'Rocoto Aji'. Northern slopes of Pinas, El Oro. Elevation 1,500 m. Finca of Augustus Zenibrano. Typical *Capsicum* shrub, 1 m. tall, no flowers; fruits ovate, 3 to 4 locules.

355393. CAPSICUM sp.

SAM 2651. 'Aji'. Alerez Rio. Two km. below Pinas, El Oro. Elevation 1,500 m. Plant past maturity, no flowers and few leaves. Most fruits 1.5 cm., narrowly conical, red.

355394. CAPSICUM sp.

SAM 2657. 'Aji'. Lajo Market. Elevation 2,200 m. Said to come from La Toma. Seed from two fruits, black, thickwalled, 4 to 5 mm. Plant not seen.

355395. CAPSICUM sp.

SAM 2666. 'Aji Pequante'. Las Mercedes (Guayas) School. On Highway from Boca de los Sopos to Naroujal, 20 km. from latter. Elevation 15 m. Typical small "bud" pepper of Ecuador coast. Bush to 80 cm. with small green flowers, purplish stamens; fruits red.

355396. CAPSICUM sp.

SAM 2667. 'Aji Piquante'. Voluntario de Dios pueblo. Four km. east of Luipalme Cuenca road from Boca-Naranjal Highway, near North Huellen Cashvair. Fruits somewhat larger than those of P.I. 355395. Orange color when ripe. Flowers light green, stamens bluish, definitely lighter color than P.I. 355395.

355397. CARDIOSPERMUM sp. Sapindaceae.

SAM 2641. Top of Cerros, northeast of Guayaquil. Elevation 225 m. Annual vine with typical fruits and seeds of *C. halicacabum*.

355389 to 355433—Continued

355398. CUCURBITA MIXTA Pang. Cucurbitaceae.

SAM 2647. 'Zapallo'. Slopes north of Pinas, El Oro. Elevation 1.500 m. Plant not seen. Large, crooknecked, light green, darkly veined squash; flesh deep orange. Baked seed very good.

355399. GOSSYPIUM sp. Malvaceae.

SAM 2645. Northern slopes facing Pinas. Elevation 1,500 m. Shrub to 3 m. tall. Three- to five-pointed leaves; light yellow flowers never seen unfurled. Petal spot red; bolls long.

355400. GOSSYPIUM sp.

SAM 2652. In waste places on southern outskirts of Pinas. Elevation 1,500 m. Same morphological features as P.I. 355399. Reported local type used only for hand spinning, not commercial. Seed from single plant.

355401. GOSSYPIUM sp.

SAM 2653. La Vega. Two km. west of La Toma. Elevation 1,200 m. Similar to P.I. 355399 and P.I. 355400. Long lived shrub to 3m. tall with broad, dark, three-pointed leaves. Light yellow corollas with small red spots at base; never seen unfurled. Very large, deeply toothed bracts. Reported short stapled. Not used for spinnng but for "household purposes".

355402. HIBISCUS sp. Malvaceae.

SAM 2636. Finca of Sr. Murilla. Member of Cooperative Camiela. Five km. east of Las Sapos. Elevation 10 m. Shrub to 3 m. with small, three-pointed, light green leaves. Flowers tightly closed in early afternoon, bright yellow, 10 cm. across. Black spot near base of corolla. Pods elongated, pointed, 8 cm. long. Seeds lintless, finely sculptured, kidney shaped, superficial resemblance to *Gossypium*.

355403. HIBISCUS sp.

SAM 2655. Monterrey, 2 km. north of La Toma. Elevation 200 m. Low-spreading herb with deeply incised five-pointed leaves. Terminal flowers, white or blue-lavender. Fruits flat with seeds arranged in a circle.

355404. HIPPEASTRUM sp. Amaryllidaceae.

SAM 2665. Garden of Hotel Rio Amazones, Tojas. Elevation 2,200 m. Cultivated bulb in hotel garden, flowering without leaves. Scarlet red with curved white stripe, 12 to 14 cm. across. Not certain if native or introduced.

355405. IMPATIENS sp. Balsaminaceae.

SAM 2635. Plaza Bolivar, Otavalo. Elevation 2,300 m. Low herb with showy white flowers. Lateral corolla segments project outward in striking fashion. Otherwise resembles *I. rovlei*.

355406. IPOMOEA ALBA L. Convolvulaceae.

SAM 2650. Alerez Rio below Pinas. Elevation 1,500 m. Common annual vine with large, long tubed white leaves open only at night. Large 3 cm. capsules.

355407. IPOMOEA sp.

SAM 2638. Hills northeast of Los Ceibos, Guayaquil. Elevation 50 m. Common annual vine with vivid 2 cm. orange-scarlet flowers.

355408. IPOMOEA sp.

SAM 2639. Cerros northeast of Los Ceibos, Guayaquil. Elevation 150 m. Occasional herbaceous creeper.

355409. IPOMOEA sp.

SAM 2642. Los Ceibos, Guayaquil. Elevation 10 m. Common herbaceous climber in waste places.

355389 to 355433—Continued

355410. NICOTIANA GLUTINOSA L. Solanaceae.

SAM 2654. Slopes south of La Toma on highway to Toja. Elevation 1,400 m. Plant typical of species. Flowers slender tube, broad, globose, pink corolla, long racemes.

355411. NICOTIANA TABACUM L. **Tobacco.**

SAM 2668. Twenty-five km. east of Bucay on road to Riobamba. On disturbed places along road. Elevaton 400 m. Rather narrow, dark leaved form. Flowers carmine. Many seed pods parasitized.

355412. OCIMUM BASILICUM L. Labiatae. **Basil.**

SAM 2644. Finca del Don Vicente Pesantes 2 km. west of Santa Rosa. Elevation 25 m. Small, flat leaves, dark purple.

355413 and 355414. PHASEOLUS LUNATUS L. Leguminosae. **Lima bean.**

355413. SAM 2676. 'Hava pallara'. Mercado del Sur. Guayaquil. Very flat, moderately large white seed. Said to come from Maurabe.

355414. SAM 2677. 'Hava pallara'. Mercado del Sur, Guayaquil. Seed flat, white, large, many with brownish or black areas around the hilum.

355415 to 355423. PHASEOLUS VULGARIS L. **Common bean.**

355415. SAM 2643. Otavalo Market. Elevation 2,300 m. Seed assortment of many different colors, shapes, and sizes. At least 40 distinct types can be distinguished.

355416. SAM 2658. Loja Market. Elevation 2,200 m. Seed purchased in market. Assortment of many types, predominantly tan.

355417. SAM 2658. Loja Market. Elevation 2,200 m. Seed assortment of various colors, purchased in market. Predominantly tan splashed with black.

355418. SAM 2669. Mercado del Sur, Guayaquil. Seed slender, yellow color predominant.

355419. SAM 2670. Mercado del Sur, Guayaquil. Predominant type seed very deep red, nearly round.

355420. SAM 2671. Mercado del Sur, Guayaquil. Predominant type seed medium and dark red.

355421. SAM 2673. Mercado del Sur, Guayaquil. Predominant type seed yellow and tan, short, thick.

355422. SAM 2674. Mercado del Sur, Guayaquil. Predominant type seed dull olive green, short, thick.

355423. SAM 2675. Mercado del Sur, Guayaquil. Predominant type seed deep tawny orange; oval, slightly flattened.

355424. PHYSALIS sp. Solanaceae.

SAM, 2632. 'Ubilla'. Puyo, Pastoza. Common in waste places near settlements. Tall spreading herb, small pendant 8 mm. flowers. Foliage glabrous, fruits 1 to 1.5 cm., dark yellow. Husk brown, fibrous.

355425. PRUNUS SEROTINA var. SALICFOLIA (Kunth) Koehne Rosaceae.
Capulin black cherry.

SAM 2633. Garden of Ing. Tomas Guerrero, Quito. Typical form of species. Commonly cultivated in gardens. Trees in full leaf, flowers and fruits throughout year. Bear especially heavily in February and March.

355426. RUELLIA sp. Acanthaceae.

SAM 2643. Finca del Don Vicente Pesantes 2 km. west of Santa Rosa, El Oro. Elevation 25 m. Very similar to common cultivar in Florida. Large lavender flowers.

355389 to 355433—Continued

355427. SALVIA sp. Labiatae.

SAM 2660. Road between Pueblo Nuevo and Malacatos, Loja. Elevation 2,400 m. Low herb with showy intense deep blue flowers. Resembles *S. patens* but color is more intense. Very attractive.

355428. SALVIA sp.

SAM 2661. Vilcabamba, Loja. Along roadsides and riverbanks. Elevation 1,299 m. Small, annual herb with long racemes of bright scarlet flowers. Attractive.

355429. SICANA ODORIFERA (Vell.) Naud. Cucurbitaceae.

SAM 2648. 'Zapallo Neoro'. Finca of Augustine Zembrano on slope north of Pinas. Elevation 500 m. Plant large perennial creeper with dark green, glossy, spotted leaves. Many tendrils, not in flower. Fruit oblong 20 cm. long, purple and black. Peduncle straight but attached with raised ring. Resembles eggplant. Very hard, orange flesh with pleasant nutty flavor. Cooked for preserves.

355430. SOLANUM sp. Solanaceae.

SAM 2663. 'Monte Diablo'. One-half km. north of Loja along road to La Toma. Elevation 2,300 m. Herb 1 m. tall with very spiny stems, leaves and inflorescence. Leaves pointed; flowers in small dense clusters, lavender and whitish corolla, yellow stamens, calyx enclosing fruit until ripe, then opening. Fruit 1.5 cm. spherical, dark red, yellowish interior. Reported eaten by children.

355431. STENOMESSON sp. Amaryllidaceae.

SAM 2637. Quarry at foot of hills, northeast of Los Ceibos, Guayaquil. Elevation 25 m. Amaryllid herb with single 40 cm. scape. Clustered pendant, orange-scarlet flowers. Stellate fruits, black seeds. Bulbs large like *Narcissus*. Very common among rocks.

355432. TIBOUCHINA sp. Melastomaceae.

SAM 2664. Along road to La Toma, one-half km. north of Loja. Elevation 2.300 m. Common throughout valley. Low, 1 m. shrub with small, dark-veined leaves. Rich purple flowers, 4 cm. across, very showy. Also pink variants. Seed collected from both forms.

355433. ZINNIA sp. Compositae.

SAM 2656. Monterrey, 2 km. south of La Toma. Elevation 1,200 m. Low growing herb, past maturity in mid-September.

355434 to 355451. HORDEUM SPONTANEUM C. Koch Gramineae.

Barley.

From Israel. Seed presented by Tel Aviv University, Ramat-Aviv, Tel Aviv. Received October 27, 1970.

355434. No. 504.
355435. No. 520.
355436. No. 552.
355437. No. 589.
355438. No. 595.
355439. No. 607.
355440. No. 631.
355441. No. 649.
355442. No. 660.
355443. No. 663.
355444. No. 665.
355445. No. 697.
355446. No. 701.
355447. No. 703.
355448. No. 711.
355449. No. 716.
355450. No. 781.
355451. No. 804.

355452 to 355707.

From Switzerland Seed received through G. Popow, Swiss Federal Research Station for Agronomy, Zurich, from locations indicated. Received August 19, 1970.

355452. TRITICUM ARARATICUM Jakubz. Gramineae.

69Z5.195. K–28244. Institute of Plant Industry, Leningrad.

355453 and 355454. TRITICUM BOEOTICUM Boiss.

355453. 69Z5.8. Muncheburg, Germany via Turkey.

355454. 69Z5.9. Muncheburg, Germany via Turkey.

355455 to 355459. TRITICUM DICOCCOIDES (Koern. ex Asch. & Graebn.) Aaronsohn

355455. 68Z99.2. Gatersleben, Germany.

355456. 68Z99.3. Gatersleben, Germany.

355457. 68Z99.4. Gatersleben, Germany.

355458. 68Z99.6. Koln-Vogelsang, Germany.

355459. 68Z99.7. Voldagren via Armenia.

355460 to 355507. TRITICUM DICOCCON Schrank

355460. 68Z99.8. Emmer 52. Swiss land variety.

355461. 68Z99.9. T110. Muncheburg, Germany.

355462. 68Z99.10. T1378. Muncheburg, Germany.

355463. 68Z99.11. Gatersleben, Germany.

355464. 68Z99.12. Gembloux, Belgium.

355465. 68Z99.13. Gembloux, Belgium.

355466. 68Z99.14. T570. No source data.

355467. 68Z99.15. T572. No source data.

355468. 68Z99.16. T1. Muncheburg, Germany.

355469. 68Z99.17. Gatersleben, Germany.

355470. 68Z99.18. T2924. Muncheburg, Germany.

355471. 68Z99.19. Voldagren.

355472. 68Z99.21. Gatersleben, Germany.

355473. 68Z99.22. Gatersleben, Germany.

355474. 68Z99.23. Voldagren.

355475. 68Z99.24. Gatersleben, Germany.

355476. 68Z99.25. Gembloux, Belgium.

355477. 68Z99.27. 'Khapli'. Winnipeg, Canada.

355478. 68Z99.28. Voldagren.

355479. 68Z99.29. Voldagren.

355480. 68Z99.30. Voldagren.

355481. 68Z99.31. Voldagren.

355482. 69Z5.41. T561. Asturia, Northern Spain.

355483. 69Z5.42. T563. Asturia, Northern Spain.

355484. 69Z5.43. T569. Asturia, Northern Spain.

355485. 69Z5.44. T567. Asturia, Northern Spain.

355452 to 355707—Continued

355460 to 355507—Continued

355486. 69Z5.45. 7998. Asturia, Northern Spain.
355487. 69Z5.46. Rossi. Lonigo, Italy.
355488. 69Z5.47. Paganuzzi. Lonigo, Italy.
355489. 69Z5.48. Koln-Vogelsang, Germany via France.
355490. 69Z5.49. Prague, Czechoslovakia.
355491. 69Z5.50. Lonigo, Italy.
355492. 69Z5.52. T14. Muncheburg, Germany.
355493. 69Z5.53. Gatersleben, Germany.
355494. 69Z5.54. Gembloux, Belgium.
355495. 69Z5.55. Koln-Vogelsang, Germany via Israel.
355496. 69Z5.56. Koln-Vogelsang, Germany via Israel.
355497. 69Z5.57. Koln-Vogelsang, Germany via Caucasus.
355498. 69Z5.58. Voldagren via Syria.
355499. 69Z5.59. Mazzucati, Gembloux, Belgium.
355500. 69Z5.60. Mazzucati, Koln-Vogelsang, Germany.
355501. 69Z5.61. Gembloux, Belgium.
355502. 69Z5.62. Koln-Vogelsang, Germany via Caucasus.
355503. 69Z5.63. T32. Muncheburg, Germany.
355504. 69Z5.64. Lonigo, Italy.
355505. 69Z5.65. Koln-Vogelsang, Germany via Israel.
355506. 69Z5.66. Gembloux, Belgium.
355507. 69Z5.67. T2352. Muncheburg, Germany via Tossia, Turkey.

355508 to 355514. TRITICUM MACHA Dekapr. & Men.

355508. 69Z5.187. Voldagren.
355509. 69Z5.188. Flacksberger, Germany via Leningrad.
355510. 69Z5.189. Koln-Vogelsang, Germany.
355511. 69Z5.190. Flacksberger, Germany via Leningrad.
355512. 69Z5.191. Voldagren.
355513. 69Z5.192. No source data.
355514. 69Z5.193. No source data.

355515 to 355550 TRITICUM MONOCOCCUM L.

355515. 69Z5.2. Koln-Vogelsang, Germany via Turkey.
355516. 69Z5.3. Koln-Vogelsang, Germany via Turkey.
355517. 69Z5.4. Koln-Vogelsang, Germany via Turkey.
355518. 69Z5.5. Weihenstephan, Germany.
355519. 69Z5.6. Hannover, Germany. Kuckuck collection from Iran
355520. 69Z5.7. Gatersleben, Germany.
355521. 69Z5.10. Koln-Vogelsang, Germany via Turkey.
355522. 69Z5.11. Koln-Vogelsang, Germany via Balkans.

355452 to 355707—Continued

355515 to 355550—Continued

355523. 69Z5.12. Koln-Vogelsang, Germany via Turkey.

355524. 69Z5.13. Weihenstephan, Germany.

355525. 69Z5.14. Weihenstephan, Germany.

355526. 69Z5.15. Gembloux, Belgium.

355527. 69Z5.16. Gatersleben, Germany via Balkans.

355528. 69Z5.17. Koln-Vogelsang, Germany via Turkey.

355529. 69Z5.18. Gembloux, Belgium.

355530. 69Z5.19. Koln-Vogelsang, Germany via Spain.

355531. 69Z5.20. Gembloux, Belgium.

355532. 69Z5.21. JE 3. Northern Italy.

355533. 69Z5.22. JE 12. Northern Italy.

355534. 69Z5.23. JE 19. Northern Italy.

355535. 69Z5.24. JE 24. Northern Italy.

355536. 69Z5.25. JE 28. Northern Italy.

355537. 69Z5.27. From feed grain imported 1948 from Turkey.

355538. 69Z5.28. Gatersleben, Germany via Balkans.

355539. 69Z5.29. Gatersleben, Germany.

355540. 69Z5.30. Gatersleben, Germany.

355541. 69Z5.31. Valdagren, via Albania.

355542. 69Z5.32. Gatersleben, Germany via Balkans.

355543. 69Z5.33. Weihenstephan, Germany.

355544. 69Z5.34. Gatersleben, Germany.

355545. 69Z5.35. SB9. Commercial variety 'Bimachler'.

355546. 69Z5.36. Vorarlberg, Austria.

355547. 69Z5.37. Vorarlberg, Austria.

355548. 69Z5.38. Vorarlberg, Austria.

355549. 69Z5.39. Vorarlberg, Austria.

355550. 69Z5.40. Experiment station, Lausanne, Switzerland. Colchicine induced tetraploid.

355551 to 355704. TRITICUM SPELTA L. **Spelt.**

355551. 68Z98.2. HA6. Halle, Germany.

355552. 68Z98.3. T2. Munchenburg, Germany.

355553. 68Z98.4. T114. Munchenburg, Germany.

355554. 68Z98.5. T115. Munchenburg, Germany.

355555. 68Z98.6. T603. Munchenburg, Germany.

355556. 68Z98.7. T112. Munchenburg, Germany.

355557. 68Z98.8. 'Braunschweig 2030'. Braunschweig, Germany.

355558. 68Z98.9. T442. Muncheburg, Germany.

355452 to 355707—Continued

355551 to 355704—Continued

Swiss land variety.

355559. 68Z98.10. Sk 1A.
355560. 68Z98.11. Sk IB.
355561. 68Z98.12. Sk 2a.
355562. 68Z98.13. Sk 2b.
355563. 68Z98.14. Sk 2c.
355564. 68Z98.15. Sk 2d.
355565. 68Z98.16. Sk 2e.
355566. 68Z98.17. Sk 2f.
355567. 68Z98.18. Sk 2h.
355568. 68Z98.19. Sk 2k.
355569. 68Z98.20. Sk 21.
355570. 68Z98.21. Sk 3a.
355571. 68Z98.22. Sk 3b.
355572. 68Z98.23. Sk 3d.
355573. 68Z98.24. Sk 3f.
355574. 68Z98.25. Sk 3h.
355575. 68Z98.27. Sk 3i.
355576. 68Z98.28. Sk 3l.
355577. 68Z98.29. Sk 3m.
355578. 68Z98.30. Sk 3n.
355579. 68Z98.31. Sk 3o.
355580. 68Z98.32. Sk 3p.
355581. 68Z98.33. Sk 3q.
355582. 68Z98.34. Sk 3r.
355583. 68Z98.35. Sk 3s.
355584. 68Z98.36. Sk 4a.
355585. 68Z98.37. Sk 4b.
355586. 68Z98.38. Sk 4c.
355587. 68Z98.39. Sk 4e.
355588. 68Z98.40. Sk 4g.
355589. 68Z98.41. Sk 41.
355590. 68Z98.42. Sk 5a.
355591. 68Z98.43. Sk 5b.
355592. 68Z98.44. Sk 5c.
355593. 68Z98.45. Sk 5d.
355594. 68Z98.46. Sk 5e.
355595. 69Z5.73. Synthetic. Texas.
355596. 69Z5.74. 'Schnottwiler 35'.
355597. 69Z5.75. 'Frienisberger 49'.
355598. 69Z5.77. 'Rufenacher 6'.
355599. 69Z5.78. 'Willisauer 17'.
355600. 69Z5.79. 'Neuegger 42'.
355601. 69Z5.80. 'Oberammentaler 2'.
355602. 69Z5.81. 'Burgdofer 1'.
355603. 69Z5.82. 'Lenzburger 2'.
355604. 69Z5.83. 'Schaffisheimer 6'.
355605. 69Z5.84. 'Vorenwalder 15'.
355606. 69Z5.85. 'Stadler-Ettiswit 20'.
355607. 69Z5.86. 'Winiger-Egg 19'.
355608. 69Z5.87. 'Schnottwiler 33'.
355609. 69Z5.88. 'Bangerter 4'.
355610. 69Z5.89. 'Zugger 15a'. Mutation from 'Zugger'.
355611. 69Z5.90. 'Braunschweig 1302'. Braunschweig, Germany.
355612. 69Z5.91. 'Braunschweig 592'. Braunschweig, Germany.
355613. 69Z5.92. Weihenstephan, Germany.
355614. 69Z5.93. Weihenstephan, Germany.
355615. 69Z5.94. BP1. Bonn-Poppelsodorf, Germany.
355616. 69Z5.95. 'Riniker'.
355617. 69Z5.96. 'Wartensear 11'.

355452 to 355707—Continued

355551 to 355704—Continued

355618. 69Z5.97. 'Braunschweig 1300'. Braunschweig, Germany.

355619. 69Z5.98. 'Gembloux 25'. Gembloux, Belgium.

355620. 69Z5.99. 'Gembloux L2'. Gembloux, Belgium.

355621. 69Z5.100. 'Gembloux 73'. Gembloux, Belgium.

355622. 69Z5.102. 'Deinischwang 2'. Weihenstephan, Germany.

355623. 69Z5.103. T602. Muncheburg, Germany.

355624. 69Z5.104. 'Moos'. Weihenstephan, Germany.

355625. 69Z5.105. 'Spelta 34'. Gembloux, Belgium.

355626. 69Z5.106. 'Rechberg's fruher Dinkel'. Weihenstephan, Germany.

355627. 69Z5.107. Oe 65. Mutation from 'Rufenacher 6'.

355628. 69Z5.108. 'Sandmeier Oberkulmer 11'.

355629. 69Z5.109. 'Altgold'.

355630. 69Z5.110. HN 19. Huslev.

355631. 69Z5.111. 'Thurig 4'.

355632. 69Z5.112. 'Liestaler 11'.

355633. 69Z5.113. Babonhauser Rotvesen, Germany.

355634. 69Z5.114. 'Gembloux L10'. Gembloux, Belgium.

355635. 69Z5.115. 'Gembloux 24'. Gembloux, Belgium.

355636. 69Z5.116. Weihenstephan, Germany.

355637. 69Z5.117. 'Oberkulmer 3'.

355638. 69Z5.118. 'Oberkulmer 3 Weiss'. Mutation from 'Oberkulmer 3'.

355639. 69Z5.119. 'Braunschweig 598'. Braunschweig, Germany.

355640. 69Z5.120. 'Rechberg Braun'. Weihenstephan, Germany.

355641. 69Z5.121. 'Braunschweig 599'. Braunschweig, Germany.

355642. 69Z5.122. Gembloux, Belgium via Italy.

355643. 69Z5.123. 'Muri Rotkorn'.

355644. 69Z5.124. 'Battig N1'.

355645. 69Z5.125. 'Farnsburger 6'.

355646. 69Z5.127. 'Rothenburger 10'.

355647. 69Z5.128. 'Strickhof Rotkorn'.

355648. 69Z5.129. 'Braunschweig 602'. Braunschweig, Germany.

355649. 69Z5.130. 'Braunschweig 600'. Braunschweig, Germany.

355650. 69Z5.131. 'Spelta 44'. Gembloux, Belgium.

355651. 69Z5.132. Hohenheim, Germany.

355652. 69Z5.133. 'Rottweiler Fruhkorn 1'.

355653. 69Z5.134. 'Rottweiler Fruhkorn 4'.

355654. 69Z5.135. 'Rottweiler Fruhkorn 6'.

355655. 69Z5.136. 'Rottweiler Fruhkorn 2'.

355656. 69Z5.137. 'Spelta 35'. C.I. 1772.

355657. 69Z5.138. 'Nordlinger 17'. Weihenstephan, Germany.

355658. 69Z5.139 'Braunschweig 762'. Braunschweig, Germany.

355659. 69Z5.140. 'Gembloux 28'. Gembloux, Belgium.

355452 to 355707—Continued

355551 to 355704—Continued

355660. 69Z5.141. 'Gaiberg'. Germany.

355661. 69Z5.142. Lonigo, Italy.

355662. 69Z5.143. 'Gembloux 27'. Gembloux, Belgium.

355663. 69Z5.144. 'Deinisch 1'. Weihenstephan, Germany.

355664. 69Z5.145. 'Roter Kolben'. Weihenstephan, Germany.

355665. 69Z5.146. HA 3a. Halle, Germany.

355666. 69Z5.147. H 3b. Mutation from P.I. 355665.

355667. 69Z5.148. 'Lauf 1'. Weihenstephan, Germany.

355668. 69Z5.149. Oe 39. Mutation from 'Oberkulmer 3'.

355669. 69Z5.150. 'Braunschweig 1301'. Braunschweig, Germany.

355670. 69Z5.152. 'Nordlingen 11–13'. Germany.

355671. 69Z5.153. 'Braunschweig 760'. Braunschweig, Germany.

355672. 69Z5.154. 'Nordlingen 10'. Germany.

355673. 69Z5.155. Awned mutation from 'Neuegger 42'.

355674. 69Z5.156. 'Braunschweig 1303'. Braunschweig, Germany.

355675. 69Z5.157. T600. Muncheburg, Germany.

355676. 69Z5.158. Weihenstephan, Germany.

355677. 69Z5.159. BP2. Bonn-Poppelsdorf, Germany.

355678. 69Z5.160. 'Nordlinger 8'. Germany.

355679. 69Z5.161. 'Gembloux 22'. Gembloux, Belgium.

355680. 69Z5.162. BP4. Bonn-Poppelsdorf, Germany.

355681. 69Z5.163. 'Sofia 1'. Gembloux, Belgium.

355682. 69Z5.164. 'Braunschweig 604'. Braunschweig, Germany.

355683. 69Z5.165. 'Nordlinger 7'. Germany.

355684. 69Z5.166. BP6. Bonn-Poppelsdorf, Germany.

355685. 69Z5.167. Oe 47. Mutation from 'Oberkulmer 3'.

355686. 69Z5.168. Weihenstephan, Germany.

355687. 69Z5.169. HA1. Sammetiger Winter Kolbenspelz. Halle. Germany.

355688. 69Z5.170. 'Weihenstephan 2'. Weihenstephan, Germany.

355689. 69Z5.171. 'Spelta 46'. Gembloux, Belgium.

355690. 69Z5.172. 'Weihenstephan 1'. Weihenstephan, Germany.

355691. 69Z5.173. 'Braunschweig 1305'. Braunschweig, Germany.

355692. 69Z5.174. BP5. Bonn-Poppelsdorf, Germany.

355693. 69Z5.175. T27. Muncheburg, Germany.

355694. 69Z5.177. T599. Muncheburg, Germany.

355695. 69Z5.178. 'Gembloux 24'. Gembloux, Belgium.

355696. 69Z5.179. Oe 5/1/1. Mutation from P.I. 355693.

355697. 69Z5.180. 'Gembloux 29'. Gembloux, Belgium.

355698. 69Z5.181. Oe 6/1/1. Mutation from a white German variety.

355699. 69Z5.182. Oe 6/4/1. Mutation from a white German variety.

355700. 69Z5.183. T442. Muncheburg, Germany.

355452 to 355707—Continued

355551 to 355704—Continued

355701. 69Z5.184. BP6. Bonn-Poppelsdorf, Germany.

355702. 69Z5.185. BP7. Bonn-Poppelsdorf, Germany.

355703. 69Z5.186. T35. Muncheburg, Germany.

355704. 69Z5.194. Plant Breeding Institute, Cambridge, England.

355705. TRITICUM TIMOPHEEVII (Zhuk.) Zhuk.

69Z5.70. Muncheburg, Germany.

355706 and 355707. TRITICUM ZHUKOVSKYI Men. & Er.

355706. 69Z5.71. Nachitcheoan, Soviet Union via Leningrad.

355707. 69Z5.72. Georgia Soviet Socialist Republic, Soviet Union via Leningrad.

355708. MUCUNA NOVOGUINEENSIS Scheff. Leguminosae.

From New Guinea. Seed presented by the Division of Bottany, Lae. Received November 25, 1970.

355709. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

From Bulgaria. Seed presented by J. Kounovski, Dobrudja Agricultural Research Institute, Gen. Toschevo. Received November 19, 1970.

'Dobritsch 1'.

355710. MEDICAGO SATIVA L. Leguminosae. **Alfalfa.**

From Germany. Seed presented by Theo. Pfeuffer, Schernau/uber Kitzingen. Received October 29, 1970.

'Triesdorfer'.

355711 to 355713.

From Fiji Islands. Seed presented by J. Parham, Director, Department of Agriculture, Suva. Received October 30, 1970.

355711 and 355712. BRACHIARIA BRIZANTHA (Hochst. ex A. Rich.) Stapf Gramineae.

355711. F.D.A. 15072.

355712. F.D.A. 15534.

355713. BRACHIARIA DECUMBENS Stapf

F.D.A. 15362.

355714. LATHYRUS SYLVESTRIS L. Leguminosae. **Flat peavine.**

From Canada. Seed presented by R. W. Robertson, Division of Forage Plants, Central Experiment Farm, Ottawa. Received November 17, 1970.

No. 6699.

355715. CUCUMUS MELO L. Cucurbitaceae. **Muskmelon.**

From Israel. Seed presented by Tzvi Karchi, Regional Experiment Station, Nevei Yaar. Received November 25, 1970.

'Ha'ogen No. 2'.

355716 to 355723. CAPSICUM ANNUUM L. Solanaceae. **Pimento.**

From Hungary. Seed presented by A. Janossy, Director, Institute of Agrobotany, Tapioszele. Received November 17, 1970.

355716. 'Bogyiszloi'.

355717. 'Cecei felallo'. Upright habit.

355716 to 355723—Continued

355718. 'Cecei javitott' (Improved white).

355719. 'Kalinkoi'. Green.

355720. 'Kocsolai'.

355721. 'Maygar'. Hot type grown in higher elevations.

355722. 'Paradicsomalaku'. Green.

355723. 'Szentesi'.

355724. SACCHARUM (hybrid) Gramineae. **Sugarcane.**

From Mexico. Cuttings presented by the Instituto para al Mejoramiento de la produccion de Azucar, Balderas 44. Received December 14, 1970.

Co. 467.

355725 to 355743.

From Union of Soviet Socialist Republics. Seed presented by N. Vavilov All-Union Institute of Plant Industry, Leningrad. Received November 27, 1970.

355725 to 355738. TRITICUM AESTIVUM L. Gramineae. **Common Wheat.**

355725. 38532. 'Albidum 24'. Saratov. Spring.

355726. 43922. 'Cesium 31'. Altai. Spring.

355727. 38530. 'Cesium 94.' Omsk. Spring.

355728. 22233. 'Cesium 111'. Omsk. Spring.

355729. 43300. 'Kharkovskaja 4'. The Ukraine. Winter.

355730. 11389. 'Kooperatorka'. Kazakhstan. Winter.

355731. 38558. 'Krymka'. The Ukraine. Spring.

355732. 44279. 'Kzyl-bas'. Kazakhstan. Spring.

355733. 45339. 'Odesskaja 26'. The Ukraine. Winter.

355734. 41367. 'Priazovskaja'. Rostov. Winter.

355735. 43403. 'Saratovskaja 38'. Saratov. Spring.

355736. 40329. 'Saratovskaja 210'. Saratov. Spring.

355737. 8547. 'Ukrainka'. The Ukraine. Winter.

355738. 43283. 'Zavolzskaja'. Kuibyshev. Spring.

355739 to 355743. TRITICUM DURUM Desf. **Durum wheat.**

355739. 44274. 'Bezencukskaja 102'. Kuibyshev. Spring.

355740. 42064. 'Kustanaiskaja 14'. Kazakhstan. Spring.

355741. 11375. 'Meljanopus 69'. Saratov. Spring.

355742. 38390. 'Meljanopus 1932'. Saratov. Spring.

355743. 38514. 'Narodnaja'. The Ukraine. Spring.

355744 to 355747.

From Colombia. Seed presented by L. H. Camacho, Instituto Colombiano Agropecuario, Palmira, through Office of Agriculture Attache, American Embassy, Bogota. Received October 13, 1970.

355744. BRACHIARIA DECUMBENS Stapf Gramineae.
'Palmira'.

355745. DESMODIUM INTORTUM (Mill.) Urb. Leguminosae
Greenleaf desmodium.

355746. DESMODIUM UNCINATUM (Jacq.) DC.

355747. PASPALUM NOTATUM Fluegge Gramineae. **Bahiagrass.**
'Trensa'.

355748. SOLANUM TUBEROSUM L. Solanaceae. **Potato.**

From Scotland. Tubers presented by J. L. Hardie, Department of Agriculture and Fisheries for Scotland, Agricultural Scientific Services, Edinburgh. Received March 3, 1970.

'St. Malo Kidney'.

355749. SOLANUM TUBEROSUM L. Solanaceae. **Potato.**

From Union of Soviet Socialist Republics. Tubers presented by V. S. Lekhnovitch, N. Vavilov All-Union Institute of Plant Industry, Leningrad. Received June 2, 1969.

K–7600. Collected along ocean shore, Chiloe, Chile at 43° South latitude. Wild.

355750 and 355751. HIBISCUS CANNABINUS L. Malvaceae. **Kenaf.**

From Nigeria. Seed presented by M. O. Adeniji, Department of Agricultural Biology, University of Ibadan, Ibadan. Received November 27, 1970.

355750. '16 BSM'. Slight resistance to root knot nematode. Parental line reported to have originated in Guatemala.

355751. '46 SM'. Slight resistance to root knot nematode. Parental line reported to have originated in Guatemala.

355752. BRACHIARIA HUMIDICOLA (Rendle) Schweick. Gramineae.

From Fiji. Seed presented by Director, Department of Agriculture, Suva. Received November 17, 1970.

355753 to 355770.

From New Guinea. Tubers presented by M. N. Hunter, Department of Agriculture, Stock and Fisheries, Bubia, Lae. Received October 20, 1970.

355753 to 355767. DIOSCOREA ALATA L. Dioscoreaceae. **Winged yam.**

355753. 25. 'Baiawabi'. Protein 8.0 percent.

355754. 16. 'Banduwanwabi'. Protein 9.4 percent.

355755. 37. 'Banzewabi'. Protein 9.1 percent.

355756. 17. 'Barowabi'. Protein 8.3 percent.

355757. 19. 'Bukiwabi'. Protein 9.6 percent.

355758. 24. 'Ctoamwabi'. Protein 7.1 percent.

355759. 18. 'Konzewabi'. Protein 8.0 percent.

355760. 46. 'Lakiwabi'. Protein 10.9 percent.

355761. 11. 'Lanzewabi'. Protein 8.5 percent.

355762. 12. 'Mambatupwabi'. Protein 9.1 percent.

355763. 27. 'Misiswabi'. Protein 8.5 percent.

355764. 20. 'Muniambelwabi'. Protein 15.6 percent.

355765. 23. 'Windigilwabi'. Protein 12.4 percent.

355766. 54. 'Yabmanewabi'. Protein 10.0 percent.

355767. 4. 'Yuwilip'. Protein 7.4 percent.

355768. DIOSCOREA BULBIFERA L. **Airpotato.**

8. 'Lepama'. Protein 6.5 percent.

355769 and 355770. DIOSCOREA ESCULENTA (Lour.) Burkill **Lesser yam.**

355769. 33. 'Ramuka.'

355770. 34. 'Tapaka'.

355771 to 355804. ORYZA SATIVA L. Gramineae. Rice.

From Philippines. Seed presented by H. M. Beachell, The International Research Institute, Los Banos, Laguna. Received October 27, 1970.

355771. IR747B6–3, TKM–6/2×TN1.

355772. IR262–43–8–11, Peta/3×TN1.

355773. IR95–42–13–1–3–2–2–2. Peta/2×TN1.

355774. IR1154–243, IR8/2×Zenith.

355775. IR532–1–176, IR262–24–3×TKM–6.

355776. IR8×Mudgo, Peta×Dee-geo-woo-gen.

355777. IR667–142–2–2–2, IR8×[Yukara×TN1]. Suwon 08603.

355778. IR667–98–2–3–1–2–2, IR8×[Yukara×TN1]. Suwon 08891.

355779. IR781–146–2–2–1, IR8/2×[Yukara×TN1]. Suwon 08612.

355780. IR781–146–2–2–6, IR8/2×[Yukara×TN1]. Suwon 08616.

355781. IR781–138–1–3–2–1, IR8/2×[Yukara×TN1]. Suwon 08716.

355782. IR781B4–400–4–3–2–1, IR8/2×[Yukara×TN1]. Suwon 08722.

355783. IR781–138–1–3–2–1–2, IR8/2×[Yukara×TN1]. Suwon 08914.

355784. IR781–400–4–3–1–2–3, IR8/2×[Yukara×TN1]. Suwon 08931.

355785. IR262–(19723–4)–B–3–1, Peta/3×TN1. Suwon 08635.

355786. IR262–(19723–4)–B–3–2, Peta/3×TN1. Suwon 08636.

355787. IR262–(19723–4)–B–3–3, Peta/3×TN1. Suwon 08637.

355788. IR262–43–8–10–2–1, Peta/3×TN1. Suwon 08638.

355789. IR262–43–8–10–2–3, Peta/3×TN1. Suwon 08639.

355790. IR262–43–8–10–2–2, Peta/3×TN1. Suwon 09147.

355791. IR262–43–8–10, Peta/3×TN1. Suwon 09920.

355792. IR1317–314–2, Jinheung×IR262–43–8–11/2. Suwon 08664.

355793. IR1317–84–1, Jinheung×IR262–43–8–11/2. Suwon 08660.

355794. IR1317–266–1, Jinheung×IR262–43–8–11/2. Suwon 08661.

355795. IR1317–266–3, Jinheung×IR262–43–8–11/2. Suwon 08662.

355796. IR1317–315–5, Jinheung×IR262–43–8–11/2. Suwon 08666.

355797. IR1317–392–1, Jinheung×IR262–43–8–11/2. Suwon 08671.

355798. IR1317–313–2, Jinheung×IR262–43–8–11/2. Suwon 08842.

355799. IR1317–266–2, Jinheung×IR262–43–8–11/2. Suwon 09158.

355800. IR1317–313–1, Jinheung×IR262–43–8–11/2. Suwon 09159.

355801. IR1317–315–1, Jinheung×IR262–43–8–11/2. Suwon 09160.

355802. IR1317–392–3, Jinheung×IR262–43–8–11/2. Suwon 09161.

355803. IR568–5–5–1–1, Yukara×TN1. Suwon 08706.

355804. IR510–15–2–3–3–1, FF36×D583A1–4–2. Suwon 08739.

355805 to 355874.

From Ecuador. Seed collected by C. M. Rick, Jr., Department of Vegetable Crops, University of California, Davis. Received November 9, 1970.

355805. APHELANDRA sp. Acanthaceae.

SAM 2584. East of Puyo, Napo-Pastazo Province. Elevation 700 m. Low-trailing herb, rooting at each node, with broad, attractive bronze leaves, purplish beneath. Flowers not seen but reported porcelain blue, forming dense spike; fruits fleshy, single seeded. Wild.

355805 to 355874—Continued

355806. CALCEOLARIA sp. Scrophulariaceae.

SAM 2556. Near south edge of Laguna Cuicocha. Imbabura Province. Rebust herb, extremely large coarse calyx, thick rugose leaves.

355807. CALCEOLARIA sp.

SAM 2559. Cooperative Mojando, Imbabura Province. Narrow leaves, wiry stems, bright yellow flowers.

355808. CAPSICUM ANNUUM L. Solanaceae. **Pimento.**

SAM 2619. Five km. south of Viche on east side of highway, Esmeraldas Province. Elevation 25 m. Compact shrub 1.5 m. high typical foliage. Flowers nodding; dull, pale lilac; anthers dark bluish. Narrowly conical red fruits 2 to 2.5 cm. long. Cultivated.

355809. CAPSICUM PENDULUM Willd.

SAM 2585. Dooryard garden in Macas, Santiago-Zamora Province. Elevation 1,000 m. Shrub to 2 m. Flowers with prominent yellow spots; fruits 4 cm. long, pale yellow, slender, pointed, corrugated surface. Cultivated.

355810 to 355812. CAPSICUM PUBESCENS Ruiz & Pav.

355810. SAM 2566. San Fernando, Azuay Province. Elevation 2,800 m. Cultivated in dooryard gardens. Typical. Fruits large, oblate 6 by 4.5 cm., bright red. Local name Aji rocoto.

355811. SAM 2567. San Fernando, Azuay Province. Dooryard gardens. Typical. Robust shrub to 2 m., very productive. Fruit arrowhead shape with prominent neck, bright red. Seed from single plant. Cultivated. Local name Aji rocoto.

355812. SAM 2568. San Fernando, Azuay Province. Elevation 2,800 m. Cultivated in dooryard gardens. Robust magnificent shrub 2 m. high, extremely productive. Fruits bright red, ellipsoidal 6 by 4 cm. Local name Aji rocoto. Seed from single plant.

355813. CAPSICUM sp.

SAM 2574. Tina city market, Pichincha Province. Probable origin at Ambato. Plant not seen. Fruits deep red, 12 to 15 cm. long, 2 cm. broad, tapering, surface very irregular. Cultivated.

355814. CAPSICUM sp.

SAM 2575. Tina city market, Pichincha Province. Probable origin at Ambato. Similar to P.I. 355813 except fruits yellow with orange flush. Cultivated.

355815. CAPSICUM sp.

SAM 2577. Puyo market place, Napo-Pastaza Province. Plant not seen. Fruits uniform, deep red, walls 2 mm. thick; seeds white, pungent. Cultivated.

355816. CAPSICUM sp.

SAM 2586. Dooryard garden in Macas, Santiago-Zamora Province. Elevation 1,000 m. Tall robust shrub to 2 m. Numerous deep red fruits, long tapering. Tiny white flowers, pollen blue. Cultivated.

355817. CAPSICUM sp.

SAM 2593. Hacienda San Jacinto de los Monos, 20 km. north of Macas. Elevation 1,100 m. Typical hot pepper bush 1.5 m. tall. Flowers small, diaphanous, buff colored. Fruits conical, green, black, and red: walls 2 mm. thick. Cultivated.

355818. CAPSICUM sp.

SAM 2609. Guaranda, Bolivar Province. Elevation 2,600 m. Backyard garden. Low spreading shrub 60 cm. across. No flowers. Fruit red with very rough surface. Reported not pungent. Could be *C. pendulum*. Local name Aji dulce. Cultivated.

355805 to 355874—Continued

355819. CAPSICUM sp.

SAM 2622. Esmeraldas city market, Esmeraldas Province. Local type. Fruit deep blood red, 3 to 4 locules, sweet; walls 2 to 3 mm. thick. Local name Aji dulce. Cultivated.

355820. CAPSICUM sp.

SAM 2623. Esmeraldas city market, Esmeraldas Province. Local type similar to *C. pendulum*. Fruit bright yellow, angular. Local name Aji picante. Cultivated.

355821. CAPSICUM sp.

SAM 2624. Esmeraldas city market, Esmeraldas Province. Local type with fruits same as P.I. 355820. Color usual pepper red. Local name Aji picante. Cultivated.

355822. CAPSICUM sp.

SAM 2625. In garden along Santo Domingo highway 10 km. south of Esmeraldas. Elevation 30 m. Plant 1 m. tall, no flowers, fruit heart shaped, typical red color. Local name Aji picante. Cultivated.

355823. CAPSICUM sp.

SAM 2627. San Lorenzo garden in outskirts of Esmeraldas, Esmeraldas Province. Plant shrub 1 m. tall, spreading, no flowers. Fruit red, nearly spherical, 2 cm. diameter, walls very thick. Local name Aji picante. Cultivated.

355824. Cosmos sp. Compositae.

SAM 2590. Macas, Santiago-Zamora Province. Dooryard garden along road to Proano. Elevation 1,000 m. All characters like variety 'Klondike' except corolla bright pink. Good breeding stock. Cultivated.

355825. CRASSULA sp. Crassulaceae.

SAM 2573. San Fernando, Azuay Province. Elevation 2,800 m. Rosettes at top of stems 30 to 40 cm. high. Strong anthocyan pigmentation. May be useful as ornamental. Cultivated.

355826. CYPHOMANDRA BETACEA (Cav.) Sendt. Solanaceae. **Tree-tomato.**

SAM 2569. San Fernando, Azuay Province. Elevation 2,800 m. Typical of species except plant much branched and very bushy. Several plants seen. Seed from single fruit. Local name Tomate-arbol. Cultivated.

355827. GOSSYPIUM BARBADENSE L. Malvaceae. **Sea-island cotton.**

SAM 2590. Three km. south of Sucua on property of Ibarro Indian, west side of road to Mendez. Shrub to 2 m. tall. Flowers with yellow orange spots, always tightly folded. Bracts large, digitate, bolls very long, slender pointed. Cultivated.

355828. IPOMOEA BATATAS (L.) Lam. Convolvulaceae. **Sweetpotato.**

SAM 2600. Tena, Napo-Pastaza Province. Frequent from Macas to Tena in waste places and along roads. Leaves, flowers, and seed typical of species. Reported to have large roots. Flowers freely at lower elevations, stems spreading, up to 3 m. in length. Local name Camote silvestre. Wild.

355829. IPOMOEA sp. Convolvulaceae.

SAM 2613. Collected several km. east of Quininde, Esmeraldas Province. Common weed with all features of cultivated sweetpotato. Wild.

355830. IPOMOEA sp.

SAM 2614. Two km. east of Esmeraldas on property of Ciudad de Muchechos. Elevation about 25 km. Aggressive weed with wide coverage. Appears similar to *I. batatas*. Wild.

355805 to 355874—Continued

355831. IPOMOEA sp.

SAM 2628. Two km. southeast of San Lorenzo, Esmeraldas Province. Very wet site. Closely resembles *I. quamoclit* except flowers with deeper crimson color. Wild.

355832. ISOLOMA sp. Gesneriaceae.

SAM 2560. Cooperative Mojando, Imbabura Province. In ravine behind co-op building. Tall, soft shrub growing among other vegetation. Leaves opposite, thick, rugose. Scarlet tubular flowers in terminal racemes. Wild.

355833. MIRABILIS sp. Nyctaginaceae.

SAM 2618. Viche, Esmeraldas Province, along river estuary in dense growth along trail north of Thompson property. Elevation 20 m. Low herb 30 cm. tall. Flowers rose colored, open rapidly only at night. Seed black, 7 to 8 mm. Wild.

355834 to 355836. NICOTIANA TABACUM L. Solanaceae. **Tobacco.**

355834. SAM 2555. Ibarra, Imbabura Province. Along newly constructed landing strip southeast of city. Typical pink flowers.

355835. SAM 2557. Laguna Yaguacocha, Ibarra. Waste places on north slopes. Fairly common. Low herb with nightshade odor. Corolla tubes 2 cm. long. Limb small, green, inconspicuous.

355836. SAM 2572. San Fernando, Azuay Province. Elevation 2,800 m. Dooryard garden of western city suburbs. Leaves exceptionally narrow; flowers light pink. Used locally as ornamental. Cultivated.

355837 to 355843. PHASEOLUS LUNATUS L. Leguminosae. **Lima bean.**

355837. SAM 2603. Vicinity of Ibarra, Imbabura Province. Elevation 2,700 m. Perennial, long-stemmed vine along fence rows and waste places. Not generally planted or eaten; mostly decorative. Bulk sample with many seed color patterns; very flat. Local name Torta pallara. Wild.

355838. SAM 2604. Vicinity of Ibarra, Imbabura Province. Elevation 2,200 m. Seed flat, 1.5 by 1 cm., dull purplish brown, prominent black outline around hilum. Local name Torta pallara. Wild.

355839. SAM 2605. Ibarra, Imbabura Province. Elevation 2,200 m. Pods inflated, 2 to 3 seeded. Seed large 2.5 by 1.5 cm., medium gray mottled finely over 90 percent of surface. Local name Torta pallara. Wild.

355840. SAM 2620. Esmeraldas city market, Esmeraldas Province. Locally grown dried beans. Seed white, some with brown markings near hilum. Local name Haba pallara. Cultivated.

355841. SAM 2621. Esmeraldas city, market, Esmeraldas Province. Selected as dry beans from grain sack. Local name Haba pallara. Cultivated.

355842. SAM 2630. Vicinity of Ibarra, Imbabura Province. Elevation 2,200 m. Assortment of local types. Local name Torta pallara. Wild.

355843. SAM 2631. Vicinity of Ibarra, Imbabura Province. Assortment of local types from different population than P.I. 355842. Local name Torta pallara. Wild.

355844. PHYSALIS sp. Solanaceae.

SAM 2615. Six km. east of Santo Domingo, Pichincha Province. In waste places along Route 30; also common to lower elevations. Elevations 850 km. Typical. Plant decumbent with very long internodes. Fruits sepia to orange color; eaten commonly in fresh condition. Wild.

355805 to 355874—Continued

355845 and 355846. SOLANUM CARIPENSE Humb. & Bonpl. ex Dun Solanaceae.

355845. SAM 2565. San Fernando, Azuay Province. Elevation 2,800 m. Among trees and shrubs in wet places; partly climbing. Leaves 3 parted; no flowers seen. Said to be tuberous. Fruits to 3 cm. long, oboonical, light green with darker green longitudinal stripes; edible. Local name Cimbalo or Chamlo pintada. Wild.

355846. SAM 2611. One km. south of Salasaca, Tungurahua Province. Elevation 2,800 m. On rock walls between isolated small community farms. Similar to P.I. 355845. Segregating for purple and lavender flower color. Local name Chimbalo. Wild.

355847. SOLANUM MAMMOSUM L.

SAM 2601. Tena. Backyard garden on south side of Rio Tena. Typical plant full of mature very seedy fruit mid-August. Probably introduced.

355848. SOLANUM NIGRUM L. **Black nightshade.**

SAM 2558. Laguna Yaguacocha, Ibarra. Waste places on west side of lake. Low herb with divided leaves, small purplish flowers; fruit 5 mm., orange color.

355849. SOLANUM QUITOENSE Lam. **Naranjilla.**

SAM 2592. Hacienda San Jacinto de los Monos, 20 km. north of Macas, Santiago-Zamora Province. Elevation 1,100 m. Much like Naranjilla except smaller fruits, sweet and free of bitterness. Stem spiny. Seed from single fruit. Local name Naranjilla silvestre.

355850. SOLANUM sp.

SAM 2561. San Fernando, Azuay Province. Elevation 2,800 m. Low, well branched herb resembling *S. nigrum* but flowers more campanulate; pale lavender corollas. Simple, broad, slightly serrate leaves. Fruits 1 cm., yellowish when ripe; edible. Wild.

355851. SOLANUM sp.

SAM 2576. Bolivar section, Quito, Pichincha Province. Ornamental woody vine with showy lavender flowers in large inflorescences. Fruits 1 cm., berries with yellow skin and flesh. Seeds, few, large, stony. Cultivated.

355852. SOLANUM sp.

SAM 2581. Puyo, Napo-Pastaza Province. In woods 2 km. south of Pueblo. Spreading, soft shrubby herb 1.5 m. tall. Leaves entire, very tiny. Buff corolla, white stamens. Dense clusters of 12 to 20 fruits on 2 cm. pedicels. Fruit 5 mm., orange, soft, fleshy. Wild.

355853. SOLANUM sp.

SAM 2582. Puyo, Napo-Pastaza Province. In waste places next to Colegio de Senoritas, south of Pueblo. Elevation 1,000 m. Erect shrub 1 m. tall, leaves entire. Few 5 mm. yellow-green corolla, orange anthers. Fruits 1 cm. diameter, green; turn soft at maturity. Wild.

355854. SOLANUM sp.

SAM 2583. Puyo, Napo-Pastaza Province. In waste places next to Colegio Pompey, south of Pueblo. Elevation 1,000 m. Shrub to 1 m. tall. Large, dense terminal racemes of tiny (5 mm.) white flowers. Lanceolate leaves, finely rugose like sage. Stems covered with reddish hairs. Fruits erect, 1.5 cm. diameter, green, hard; borne in dense clusters. Wild.

355855. SOLANUM sp.

SAM 2588. Bordering airstrip and waste places at Macas, Santiago-Zamora Province. Elevation 1,000 m. Small tree, 4 to 5 m. tall, spreading; large aceriform leaves. Flowers large, lavender, 4 to 5 cm. Fruit spherical, hard, green, 5 cm. diameter, very thick calyx. Seed from single fruit. Wild.

355805 to 355874—Continued

355856. SOLANUM sp.

SAM 2589. Along road two km. north of Macas. Elevation 1,000 m. Small shrub 80 cm. tall. Querciform leaves deeply dentate, lower surface and stems with scattered large 1 cm. spines. Flowers not seen. Fruits ovoid, dark green on shoulder, whitish at distal end, radial dark green stripes on upper half. Wild.

355857. SOLANUM sp.

SAM 2594. Hacienda San Jacinto de los Monos, 20 km. north of Macas. Elevation 1,000 m. Low-spreading herb with winged stems, pedunoles and pedicels. Flowers larger than for *S. nigrum*, corolla white with prominent buff yellow median spots suggesting *C. pendulum*. Fruits to 1.4 cm., jet black when ripe, very large calyx. Local name Ubilla. Wild.

355858. SOLANUM sp.

SAM 2606. Sinche Chico, Bolivar Province. Along roadside waste places near village about 5 km. northeast of Guarando. Typical Solanaceous herbage and flower type generally resembling *S. nigrum* in vegetative characters. Broad entire leaves with very short petiole 6 to 8 cm. long, densely puberulent. Flowers greenish white, pendant, very distinctive campanulate, broader at base; stigma exserted 5 mm.; fruit yellow, dark veined, flat. Wild.

355859. SOLANUM sp.

SAM 2607. Sinche Chico, Bolivar Province, about 5 km. northeast of Guarando. Elevation 2,800 m. Vegetative and fruit characteristics typical of *S. nigrum* group, except flowers with purplish lavender lines in center of each segment, 1.5 m. across. Fruits to 1 cm. diameter. Wild.

355860. SOLANUM sp.

SAM 2608. Cachisagua, Bolivar Province. Roadside 15 km. southeast of Guarando. Elevation 3,200 m. Common wayside plant. Dense shrub 1 m. tall, large lanceolate leaves. Flowers white 2 cm. in terminal clusters typically *Solanum*. Fruits 1.5 cm., spherical, pale yellow with tiny accresent calyx, thick walled, hard, dry inside. Wild.

355861. SOLANUM

SAM 2610. Between Pillaro and San Andres, Tungurahua Province. Elevation 2,600 m. Low shrub with trailing tendency, woody stems. Leaves broad, entire, 1.5 by 2 cm. Flowers purplish, 1.5 cm., yellow anthers. Fruits spherical, 1.5 cm. diameter, tomato red color, calyx tiny, flesh firm. Reported inedible. Wild.

355862. STREPTOSOLEN sp. Solanaceae.

SAM 2563. San Fernando, Azuay Province. Very common along roadside, cultivated fields and among native flora. Elevation 2,500 to 2,800 m. Low shrub to 1 m. Typical of genus. Flowers open orange, fade yellow, very showy. Planted in Quito and Cuenca gardens. Wild.

355863. TAGETES sp. Compositae.

SAM 2564. San Fernando, Azuay Province. Elevation 2,700 to 2,900 m. Open fields. Low herb to 40 cm. tall, highly branched, finely divided very tiny, narrow leaves; receptacles 1.2 to 1.5 cm. long. Rays orange, very tiny 1 to 2 mm. long. Very aromatic. Reported to have medicinal value. Wild.

355864. TIBOUCHINA sp. Melastomaceae.

SAM 2562. San Fernando, Azuay Province. Elevation 2,500 to 2,800 m. Common along roadside and fence rows. Showy shrub 1 to 2 m. tall, reddish stems, pedicels and fruits. Flowers 3 to 4 cm. broad, purple. Very floriferous ornamental in tropical areas. Wild.

355865. Undetermined. Boraginaceae.

SAM 2554. Laguna Yaguacocha, Ibarra, Imbabura Province. Typical forget-me-not except with much darker color and lacks white eye. Very common. Wild.

355805 to 355874—Continued

355866. Undetermined. Compositae.

SAM 2598. Hacienda San Jacinto de los Monos, 20 km. north of Macas. Elevation 1,100 m. Small erect annual to 50 cm., with terminal inflorescences 2 cm. diameter, deep golden yellow. Population included single and double frilly forms. Seed from doubles. Wild.

355867. Undetermined. Gesneriaceae.

SAM 2612. Tandape, Pichincha Province. Elevation 1,500 m. On steep bank south of Highway 30. Associated with *Epidendrum* and other terrestrial orchids. Herb about 50 cm. tall, deep maroon foliage. Very long spikes of scarlet flowers, campanulate and pendant, 2 cm. long. Wild.

355868. Undetermined. Lobeliaceae.

SAM 2579. Puyo, Napo-Pastaza Province. Common weed. Low erect herb, apparently fast growing annual, stems and leaves coarse. Flowers white 8 to 10 cm. long, tube with typical lobelioid limb. Pleasantly fragrant. May have ornamental value. Wild.

355869. Undetermined. Liliaceae.

SAM 2578. In woods south of Puyo, Napo-Pastaza Province. Elevation 1,000 m. Dense shade, typical jungle conditions. Bulb with one broad entire leaf attached. Scape with 5 pendant white flowers, small cup with yellow tipped segments resembling small cupped narcissus. Very showy ornamental. Wild.

355870. Undetermined. Malvaceae.

SAM 2580. Puyo, Napo-Pastaza Province. Two km. south of Pueblo along road near river crossing. Elevation 1,000 m. Tall herb 2 to 3 m. Flowers bell shaped, yellow, 3 to 4 cm. diameter. Fruits large, multilocular capsules. Wild.

355871. Undetermined. Malvaceae.

SAM 2629. From flower beds in Bolivar district of Quito. Pichincha Province. Ornamental to 1 m. tall, herbaceous with erect stalks like hollyhocks. Showy mauve flowers, dark veined. Cultivated.

355872. Undetermined. Palmae.

SAM 2595. Hacienda San Jacinto de los Monos, 20 km. north of Macas. Elevation 1,100 m. Tall palm of dense jungle, lacks spines on lower trunk. Seeds with conspicuous blotched markings and endosperm harder than tegmen.

355873. Undetermined. Palmae.

SAM 2596. Macas. Elevation 1,100 m. Common palm of region with coarse pinnate leaves, lower trunk spiny and often buttressed. Seed single in fruit the size of tennis ball, orange and soft, with waxy interior. Edible.

355874. Undetermined. Solanaceae.

SAM 2626. Two km. south of Viche at Thompsens finca, along Esmeraldas River, Esmeraldas Province. Elevation 30 m. Shrub much like *Cyphomandra betacea*. Flowers in thick clusters along stems like *Lycium*, yellowish with green tips to lateral segments 1 cm. across; intensely fragrant. Fruits 0.5 to 0.7 cm., orange berries. Wild.

355875. MOMORDICA TUBEROSA (Roxb.) Cogn. Cucurbitaceae.

From India. Tubers presented by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received December 8, 1970.

Coimbatore, Tamil Nadu.

355876 and 355877. SOLANUM TUBEROSUM L. Solanaceae. **Potato.**

From El Salvador. Tubers collected by E. P. Imle, Agricultural Administrator, Agricultural Research Service, United States Embassy, San Salvador. Received December 17, 1970.

355876 and 355877—Continued

355876. Col. 152. San Andres. A selection from their 'Criollo' variety.

355877. Col. 153. San Andres. Old variety grown in Santa Tecla area for years.

355878 to 355885. MEDICAGO SATIVA L. Leguminosae. Alfalfa.

From Peru. Seed presented by D. S. Chamblee, Department of Crop Science, North Carolina State University–Agency for International Development Contract Team, Lima. Received December 10, 1970.

355878. 'Iroro'.
355879. 'Jequetipque'.
355880. 'Macate'.
355881. 'Monsefu'. (F.C. 37409).
355882. 'Ocurunga'.
355883. 'Pallasca'.
355884. 'San Jose'.
355885. 'Yaragua'.

355886 to 355888.

From Colombia. Seed collected by Kenneth Ruddle, Latin American Center, University of California, Los Angeles, Calif. Received December 18, 1970.

355886. DOLICHOS LABLAB L. Leguminosae. **Hyacinth-bean.**

'Kamatahrask'. Maraca Subtribe of Yuko Indians, Quebrada Socorpas, Municipo de Robles, Becerril, Cesar.

355887 and 355888. PHASEOLUS VULGARIS L. Leguminosae. **Common bean.**

355887. 'Kootootoopask'. Maraca Subtribe of Yuko Indians, Quebrada Socorpas, Municipio de Robles, Becerril, Cesar.

355888. 'Nahtakcahtah'. Maraca Subtribe of Yuko Indians, Quebrada Socorpas, Municipio de Robles, Becerril, Cesar.

355889. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Colombia. Seed collected by Enrique Rodriguez, Bucaramanga, through J. O. Young, University of Nebraska–Agency for International Development Mission, Bogata. Received December 14, 1970.

'Chucho'. Interplanted locally with tobacco. Reported to carry resistance to tobacco mosaic virus.

355890 to 355906.

From Japan. Seed grown at Tokachi Agricultural Experiment Station and presented by Y. Kawaguchi, Japan Beans Fund Association, Tokyo. Received December 7, 1970.

355890 to 355894. PHASEOLUS ANGULARIS (Willd.) W. F. Wight Leguminosae. **Adsuki bean.**

355890. 'Chagara wase'.
355891. 'Hikari syozu'.
355892. 'Maruba 1'.
355893. 'Takara syozu'.
355894. 'Wasedairyu 1'.

355895 to 355904. PHASEOLUS VULGARIS L. Leguminosae. **Common bean.**

355895. 'Benishibori'.
355896. 'Kairo chunaga'.
355897. 'Kairo otebo'.
355898. 'Kitahara beninaga'.
355899. 'Otebo'.
355900. 'Shin kintoki'.
355901. 'Taisho kintoki'.
355902. 'Taisho otebo'.
355903. 'Taisho shirokintoki'.
355904. 'Tsunetomi nagauzura'.

355905 and 355906. PISUM SATIVUM L. Leguminosae. **Pea.**

355905. 'Kairyo aotenashi'.
355906. 'Komidori'.

355907. HIBISCUS MILITARIS Cav. Malvaceae.

From United States. Seed presented by R. D. Uhlinger, College of Agriculture and Home Economics, North Platte, Nebr. Received December 7, 1970.

Columbus, Nebraska.

355908. PHASEOLUS VULGARIS L. Leguminosae. **Common bean.**

From El Salvador. Seed presented by Bernardo Patino through E. P. Imle, Agricultural Administrator, Agricultural Research Service, United States Embassy, San Salvador. Received December 4, 1970.

'Selection 184'. Santa Tecla. Black seed.

355909. DUBOISIA MYOPOROIDES R. Br. Solanaceae.

From Australia. Seed presented by Division of Plant Introduction, Commonwealth Scientific and Industrial Research Organization, Canberra, A.C.T. Received December 15, 1970.

N 842. Minnamurra Falls, New South Wales.

355910. DOMBEYA WITTEI DeWild & Staner Sterculiaceae.

From Zambia. Seed collected by J. A. Smith, Chilanga. Received December 21, 1970.

355911 and 355912.

From El Salvador. Seed collected by E. P. Imle, Agricultural Administrator, Agricultural Research Service, United States Embassy, San Salvador. Received December 14, 1970.

355911. MELOTHRIA SCABRA Naud. Cucurbitaceae.

147. Local name Sandia de Culebra. Fence row at San Andres-Zapatition Valley. Vine small, weak by rangy, leaves indented. Fruit watermelon shape 2.5 to 4.0 cm. long, commonly eaten raw as salad by natives.

355912. SOLANUM GRANDIFLORUM Ruiz & Pav. Solanaceae.

149. Local name Cuerno de Vaca. Santa Tecla four blocks from Centro de Agronomia. Tree to 6 m. Flowers many, blue, typical of *S. tuberosum* but larger, no spines. Fruits 3 to 6 cm. diameter, dark green to brown, full of slimy green juice; seed brown.

355913. GOSSYPIUM BARBADENSE L. Malvaceae.

Sea-island cotton.

From Peru. Seed presented by E. Domingo Mendez, Cotton Department, Experiment Station, La Molina through United States Agricultural Attache, Lima. Received December 1, 1970.

'Pima'.

355914. GOSSYPIUM HIRSUTUM. L. Malvaceae. **Upland cotton.**

From Peru. Seed presented by E. Domingo Mendez, Cotton Department, Experiment Station, La Molina through United States Agricultural Attache, Lima. Received December 1, 1970.

'Upland LM'.

355915. ARACHIS HYPOGAEA L. Leguminosae. **Peanut.**

From Israel. Seed presented by E. Goldin, Volcani Institute of Agricultural Research, Department of Agronomy, Beit Dagan. Received December 15, 1970.

'Shulamith (X–30)'.

355916. BRACHIARIA DECUMBENS Stapf Gramineae.

From Australia. Seed presented by Division of Plant Introduction. Commonwealth Scientific and Industrial Research Organization, Canberra, A.C.T. Received December 15, 1970.

CQ 591. South Johnstone. 1966–1967 crop.

355917 to 355920.

From Australia. Seed presented by Division of Plant Introduction, Commonwealth Scientific and Industrial Research Organization, Canberra, A.C.T. Received December 4, 1970.

355917. DOLICHOS AXILLARIS E. Mey. Leguminosae.

Lot 84/69. Yates Seed Company.

355918. GLYCINE WIGHTII (R. Grah. ex Wight & Arn.) Verdcourt Leguminosae

Lot 86/69. 'Tinaroo'. Yates Seed Company.

355919. PANICUM MAXIMUM Jacq. Gramineae. **Guineagrass.**

'Hamil'. CQ 951.

355920. VIGNA LUTEOLA (Jacq.) Benth. Leguminosae.

Lot 91/69. Yates Seed Company.

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